<400> 1738
Leu Ile Xaa His Ile Gly Xaa Gly Xaa Cys Ser Thr Val Xaa Ile Pro
1 5 10 15

Gly Ser Arg Asp Pro Ser Leu Arg Thr Ala His Ala Arg His Ser Ser
20 25 30

Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg
35 40 45

Arg Asp Trp Glu Asn Xaa Xaa
50 55

<210> 1739
<211> 37
<212> PRT
<213> Homo sapiens

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1739
Ser Arg Gly Ser Lys Leu Thr Xaa Ala Cys Met Arg Arg His Ser Ser
1 5 10 15

Ser Ile Val Ser Ala Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg
20 25 30

Arg Xaa Trp Glu Xaa
35

<210> 1740
<211> 110
<212> PRT
<213> Homo sapiens

<400> 1740
Leu Thr Glu Thr Arg Phe Lys Thr Gly Thr Thr Leu Lys Tyr Thr Cys
1 5 10 15

Leu Pro Gly Tyr Val Arg Ser His Ser Thr Gln Thr Leu Thr Cys Asn
20 25 30

Ser Asp Gly Glu Trp Val Tyr Asn Thr Phe Cys Ile Tyr Lys Arg Cys
35 40 45

Arg His Pro Gly Glu Leu Arg Asn Gly Gln Val Glu Ile Lys Thr Asp
50 55 60

Leu Ser Phe Gly Ser Gln Ile Glu Phe Ser Cys Ser Glu Gly Phe Phe
65 70 75 80

Leu Ile Gly Ser Thr Thr Ser Arg Cys Glu Val Gln Asp Arg Gly Val
85 90 95

Gly Trp Ser His Pro Leu Pro Gln Cys Glu Ile Val Gln Val
100 105 110

<210> 1741
<211> 49
<212> PRT
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1741

Gln Val His Leu Asp Gln Val Glu Val Ala Ser Xaa Leu Thr Leu Cys
1 5 10 15

Lys Glu Gly Cys Xaa Ala Ile Val Asp Thr Gly Thr Ser Leu Met Val
20 25 30

Gly Pro Val Asp Xaa Val Arg Xaa Cys Arg Arg Pro Ser Gly Pro Cys
35 40 45

Arg

<210> 1742
<211> 90
<212> PRT
<213> Homo sapiens

<220>
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<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1742
Gly Pro Ser Thr Arg Xaa Xaa Met Ile Glu Tyr Asp Pro Glu Arg Arg
1 5 10 15

Leu Gly Ile Phe Trp Val Ser Cys Glu Ala Gly Thr Tyr Ile Arg Thr
20 25 30

Leu Cys Val His Leu Gly Leu Leu Leu Gly Val Gly Gly Gln Met Gln
35 40 45

Glu Leu Arg Arg Val Arg Ser Gly Val Met Ser Xaa Lys Asp His Xaa
50 55 60

Val Thr Met His Asp Val Leu Xaa Ala Gln Trp Leu Tyr Xaa Asn His
65 70 75 80

Lys Asp Glu Ser Xaa Leu Arg Gly Val Val
85 90

<210> 1743
<211> 116
<212> PRT
<213> Homo sapiens

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<400> 1743

Ala	Gly	Ser	Val	Arg	Arg	Pro	Cys	Arg	Arg	Pro	Trp	Gly	Xaa	Arg	Ala
1				5				10					15		
Gly	Glu	Arg	Met	Xaa	Gly	Ala	Gly	Glu	Glu	Asp	Pro	Ala	Ala	Ala	Phe
			20				25					30			
Leu	Ala	Gln	Xaa	Arg	Ser	Glu	Ile	Ala	Gly	Ile	Glu	Asn	Asp	Glu	Ala
		35					40					45			
Phe	Ala	Ile	Leu	Glu	Arg	Arg	Arg	Pro	Arg	Ala	Pro	Thr	Ala	Arg	Lys
	50					55					60				
Val	Arg	Arg	Gly	Val	Pro	Met	Leu	Leu	Xaa	Gly	Xaa	Met	Xaa	Trp	Trp
65					70					75					80
Ile	Xaa	Thr	Xaa	Lys	Leu	Met	Val	Pro	Thr	Xaa	Ile	Met	Gln	Tyr	Phe
				85					90					95	

Lys Met Asp Arg Leu His Gln Asn Leu Lys Tyr Pro Lys Trp Arg Xaa
100 105 110

Lys Met Glu Xaa
115

<210> 1744
<211> 125
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1744
Arg Val Thr Thr Gly Thr Xaa Xaa Val Leu Val Ala Val Asp Lys Gly

1 5 10 15

Val Phe Val Leu Asn Lys Xaa Asn Lys Leu Thr Gln Ser Lys Ile Trp
20 25 30

Asp Val Val Glu Lys Ala Asp Ile Gly Cys Thr Pro Gly Ser Gly Lys
35 40 45

Asp Tyr Ala Gly Val Phe Ser Asp Ala Gly Leu Thr Xaa Thr Ser Ser
50 55 60

Ser Gly Gln Gln Thr Ala Gln Xaa Ala Glu Leu Gln Cys Pro Gln Pro
65 70 75 80

Ala Ala Arg Arg Arg Xaa Ser Val Gln Leu Thr Glu Lys Arg Met Asp
85 90 95

Lys Val Gly Lys Tyr Pro Lys Glu Leu Xaa Lys Cys Cys Glu Asp Gly
100 105 110

Ile Arg Glu Asn Pro Met Lys Phe Ser Cys Gln Gly Gly
115 120 125

<210> 1745
<211> 74
<212> PRT
<213> Homo sapiens

<400> 1745
Gly Ala Ala Val Ser Val Lys Met Ile Glu Val Leu Thr Thr Thr Asp
1 5 10 15

Ser Gln Lys Leu Leu His Gln Leu Asn Ala Leu Leu Glu Gln Glu Ser
20 25 30

Arg Cys Gln Pro Lys Val Cys Gly Leu Arg Leu Ile Glu Ser Ala His
35 40 45

Asp Asn Gly Leu Arg Met Thr Ala Arg Leu Arg Asp Phe Glu Val Lys
50 55 60

Asp Leu Leu Ser Leu Thr Gln Phe Leu Ala
65 70

<210> 1746
<211> 38
<212> PRT

<213> Homo sapiens

<400> 1746
Phe Phe Gly His Pro Glu Val Tyr Ile Leu Ile Leu Pro Gly Phe Gly
1 5 10 15

Ile Ile Ser His Ile Val Thr Tyr Tyr Ser Gly Lys Lys Glu Pro Phe
20 25 30

Gly Tyr Ile Gly Met Val
35

<210> 1747
<211> 35
<212> PRT
<213> Homo sapiens

<400> 1747
Leu Val Pro Asn Ser Ala Arg Glu Thr Phe Leu Thr Ile Cys Phe Ile
1 5 10 15

Arg Gln Leu Ile Phe His Phe Thr Ser Lys His His Phe Gly Phe Glu
20 25 30

Ala Ala Ala
35

<210> 1748
<211> 183
<212> PRT
<213> Homo sapiens

<220>
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<222> (125)
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<400> 1748

Ala Arg Val Glu Asn Arg Ala Gln Gln His Trp Gly Ser Gly Val Gly
1 5 10 15

Val Lys Lys Leu Cys Glu Leu Gln Pro Glu Glu Lys Cys Cys Val Val
20 25 30

Gly Thr Leu Phe Lys Ala Met Pro Leu Gln Pro Ser Ile Leu Arg Glu
35 40 45

Val Ser Glu Glu His Asn Leu Leu Pro Gln Pro Pro Arg Ser Lys Tyr
50 55 60

Ile His Pro Asp Asp Glu Leu Val Leu Glu Asp Glu Leu Gln Arg Ile
65 70 75 80

Lys Leu Lys Gly Thr Ile Asp Val Ser Lys Leu Val Thr Gly Thr Val
85 90 95

Leu Ala Val Phe Gly Ser Val Arg Asp Asp Gly Lys Phe Leu Val Glu
100 105 110

Asp Tyr Cys Phe Val Asp Leu Ala Pro Gln Lys Pro Xaa Pro Pro Leu
115 120 125

Thr Gln Leu Gly Xaa Val Xaa Gly Val Arg Pro Gly Pro Gly Trp Arg
130 135 140

Trp Arg Arg Glu Xaa Val Gly His Pro Leu Leu Val Asp Xaa Val Thr
145 150 155 160

Gly Gln Phe Gly Asp Glu Gly Xaa His Ala Xaa Xaa Pro Ser Phe Pro
165 170 175

Val Ile Leu Val Xaa Thr Ser
180

<210> 1749
<211> 106
<212> PRT
<213> Homo sapiens

<400> 1749
His Glu Ala Glu Ala Ala Pro Val Gly Arg Ala Arg Gly Cys Cys Lys
1 5 10 15

Ala Glu Val Ala Ala Glu Ala Glu Thr Met Phe Arg Ala Ala Ala Pro
20 25 30

Gly Gln Leu Arg Arg Ala Ala Ser Leu Leu Arg Phe Gln Ser Thr Leu
35 40 45

Val Ile Ala Glu His Ala Asn Asp Ser Leu Ala Pro Ile Thr Leu Asn
50 55 60

Thr Ile Thr Ala Ala Thr Arg Leu Gly Gly Glu Val Ser Cys Leu Val
65 70 75 80

Ala Gly Thr Lys Cys Asp Lys Val Ala Gln Asp Leu Cys Lys Val Ala
85 90 95

Gly Ile Ala Lys Ser Ser Gly Gly Ser Ala
100 105

<210> 1750
<211> 99
<212> PRT
<213> Homo sapiens

<400> 1750
Arg Ser Cys Gly Val Thr Ala Gln Lys Tyr Arg Cys Glu Leu Leu Tyr
1 5 10 15

Glu Gly Pro Pro Asp Asp Glu Ala Ala Met Gly Ile Lys Ser Cys Asp
20 25 30

Pro Lys Gly Pro Leu Met Met Tyr Ile Ser Lys Met Val Pro Thr Ser
35 40 45

Asp Lys Gly Arg Phe Tyr Ala Phe Gly Arg Val Phe Ser Gly Leu Val
50 55 60

Ser Thr Gly Leu Lys Val Arg Ile Met Gly Pro Asn Tyr Thr Pro Gly
65 70 75 80

Lys Lys Glu Asp Leu Tyr Leu Lys Pro Ile Gln Arg Thr Ile Leu Met
85 90 95

Met Gly Arg

<210> 1751
<211> 124
<212> PRT
<213> Homo sapiens

<400> 1751
Ala Ala Gln Pro Arg Leu Met Glu Pro Ile Tyr Leu Val Glu Ile Gln
1 5 10 15

Cys Pro Glu Gln Val Val Gly Gly Ile Tyr Gly Val Leu Asn Arg Lys
20 25 30

Arg Gly His Val Phe Glu Glu Ser Gln Val Ala Gly Thr Pro Met Phe
35 40 45

Val Val Lys Ala Tyr Leu Pro Val Asn Glu Ser Phe Gly Phe Thr Ala
50 55 60

Asp Leu Arg Ser Asn Thr Gly Gly Gln Ala Phe Pro Gln Cys Val Phe
65 70 75 80

Asp His Trp Gln Ile Leu Pro Gly Asp Pro Phe Asp Asn Ser Ser Arg
85 90 95

Pro Ser Gln Val Val Ala Glu Thr Arg Lys Arg Lys Gly Leu Lys Glu
100 105 110

```
Gly Ile Pro Ala Leu Asp Asn Phe Leu Asp Lys Leu
        115                 120
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<210> 1752
<211> 180
<212> PRT
<213> Homo sapiens

<400> 1752

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Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Ala Ala Leu Glu Leu
  1               5                  10                  15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Gln Phe Ala Arg
            20                  25                  30

Ser Leu Ser Ala Ala Pro Gln Leu Ser Asp Thr Ala Asp Thr Met Gly
        35                  40                  45

Phe Gly Asp Leu Lys Ser Pro Ala Gly Leu Gln Val Leu Asn Asp Tyr
    50                  55                  60

Leu Ala Asp Lys Ser Tyr Ile Glu Gly Tyr Val Pro Ser Gln Ala Asp
65                  70                  75                  80

Val Ala Val Phe Glu Ala Val Ser Ser Pro Pro Pro Ala Asp Leu Cys
                85                  90                  95

His Ala Leu Arg Trp Tyr Asn His Ile Lys Ser Tyr Glu Lys Glu Lys
            100                 105                 110

Ala Ser Leu Pro Gly Val Lys Lys Ala Leu Gly Lys Tyr Gly Pro Ala
        115                 120                 125

Asp Val Glu Asp Thr Thr Gly Ser Gly Ala Thr Asp Ser Lys Asp Asp
    130                 135                 140

Asp Asp Ile Asp Leu Phe Gly Ser Asp Asp Glu Glu Glu Ser Glu Glu
145                 150                 155                 160

Ala Lys Arg Leu Arg Glu Glu Arg Leu Ala Gln Tyr Glu Ser Lys Lys
                165                 170                 175

Ala Lys Lys Pro
            180
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<210> 1753

<211> 126
<212> PRT
<213> Homo sapiens

<220>
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<400> 1753

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Arg Xaa Lys Xaa Xaa Xaa Thr Ala Val Arg Xaa Ser Arg Leu Val Asp
 1               5                  10                  15

Pro Pro Gly Cys Arg Asn Trp His Glu Val Ser Phe Cys Asp Leu Cys
            20                  25                  30

Trp Asp Trp Lys Met Ser Ser Gly Asn Ala Lys Ile Gly His Pro Ala
        35                  40                  45

Pro Asn Phe Lys Ala Thr Ala Val Met Pro Asp Gly Gln Phe Lys Asp
    50                  55                  60

Ile Ser Leu Ser Asp Tyr Lys Gly Lys Tyr Val Val Phe Phe Phe Tyr
65                  70                  75                  80

Pro Leu Asp Phe Thr Phe Val Cys Pro Thr Glu Ile Ile Ala Phe Ser
                85                  90                  95

Asp Arg Ala Glu Glu Phe Lys Lys Leu Asn Cys Gln Val Ile Gly Ala
            100                 105                 110
```

Ser Val Asp Ser His Phe Cys His Leu Ala Trp Val Asn Thr
115 120 125

<210> 1754
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1754

Trp	Ile	Pro	Arg	Ala	Ala	Gly	Ile	Arg	His	Ser	Xaa	Gly	Gly	Xaa	Leu
1				5				10					15		
Val	His	Pro	Xaa	Xaa	Val	Xaa	Xaa	Ala	Ala	His	Cys	Leu	Lys	Lys	Asn
			20					25					30		
Ser	Gln	Xaa	Trp	Leu	Gly	Arg	His	Asn	Leu	Xaa	Glu	Pro	Xaa	Asp	Thr
		35					40					45			
Xaa	Gln	Arg	Val	Pro	Xaa	Ser	His	Ser	Phe	Pro	His	Pro	Leu		
	50					55					60				

<210> 1755
<211> 42
<212> PRT
<213> Homo sapiens

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<400> 1755
Glu Xaa Cys Val Ser Xaa Leu Gly Cys Trp Arg Phe Asn Pro Gln Cys
1 5 10 15

Phe His Xaa Asn Arg Gly Pro Ile Lys Phe Asn Val Xaa Gly His Ser
20 25 30

Arg Pro Gly Glu Phe Arg Gly Leu Glu Xaa
35 40

<210> 1756
<211> 174
<212> PRT
<213> Homo sapiens

<400> 1756
Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Ala Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Gly Met Gln Lys
20 25 30

Ala Asp Val Tyr Ser Phe Gly Ile Ile Leu Gln Glu Ile Ala Leu Arg
35 40 45

Ser Gly Pro Phe Tyr Leu Glu Gly Leu Asp Leu Ser Pro Lys Glu Ile
50 55 60

Val Gln Lys Val Arg Asn Gly Gln Arg Pro Tyr Phe Arg Pro Ser Ile
65 70 75 80

Asp Arg Thr Gln Leu Asn Glu Glu Leu Val Leu Leu Met Glu Arg Cys
85 90 95

Trp Ala Gln Asp Pro Ala Glu Arg Pro Asp Phe Gly Gln Ile Lys Gly
100 105 110

Phe Ile Arg Arg Phe Asn Lys Glu Gly Gly Thr Ser Ile Leu Asp Asn
115 120 125

Leu Leu Leu Arg Met Glu Gln Tyr Ala Asn Asn Leu Glu Lys Leu Val

130 135 140

Glu Glu Arg Thr Gln Ala Tyr Leu Glu Glu Lys Arg Lys Ala Glu Ala
145 150 155 160

Leu Leu Tyr Gln Ile Leu Pro His Ser Val Ala Glu Gln Leu
165 170

<210> 1757
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
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<220>
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<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1757
Glu Thr Xaa Lys Xaa Phe Lys Asp Pro Asn Ala Pro Lys Arg Pro Pro
1 5 10 15

Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg Pro Lys Ile Lys Gly
20 25 30

Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys Lys Leu Gly Glu
35 40 45

Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln Pro Tyr Glu Lys Lys
50 55 60

Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg
65 70 75 80

Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val Lys Ala Glu
85 90 95

Lys Ser Lys Lys Lys Lys Glu Glu Glu Glu Asp Glu Glu Asp Glu Glu
100 105 110

Asp Glu Glu Glu Glu Glu Asp Glu Glu Asp Glu Xaa Xaa Xaa His Xaa
115 120 125

<210> 1758
<211> 31
<212> PRT
<213> Homo sapiens

<400> 1758
Ala Arg Glu Asn Val Arg Pro Asp Tyr Leu Lys Ala Ile Trp Asn Val
1 5 10 15

Ile Asn Trp Glu Asn Val Thr Glu Arg Tyr Met Ala Cys Lys Lys
20 25 30

<210> 1759
<211> 64
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1759

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Arg Glu Gln Lys Xaa Glu Leu His Arg Gly Ala Xaa Arg Ser Arg Thr
 1               5                  10                  15

Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Ser Ala Arg Gln
            20                  25                  30

Arg Xaa Lys Val Leu Ala His Phe Tyr Gly Val Lys Leu Glu Gly Lys
        35                  40                  45

Val Pro Met His Lys Leu Phe Leu Glu Met Leu Glu Ala Met Met Asp
    50                  55                  60
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<210> 1760
<211> 106
<212> PRT
<213> Homo sapiens

<400> 1760

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Lys Met Ala Ser Asn Lys Thr Thr Leu Gln Lys Met Gly Lys Lys Gln
 1               5                  10                  15

Asn Gly Lys Ser Lys Lys Val Glu Glu Ala Glu Pro Glu Glu Phe Val
            20                  25                  30

Val Glu Lys Val Leu Asp Arg Arg Val Val Asn Gly Lys Val Glu Tyr
        35                  40                  45

Phe Leu Lys Trp Lys Gly Phe Thr Asp Ala Asp Asn Thr Trp Glu Pro
    50                  55                  60

Glu Glu Asn Leu Asp Cys Pro Glu Leu Ile Glu Ala Phe Leu Asn Ser
65                  70                  75                  80

Gln Lys Ala Gly Lys Glu Lys Asp Gly Thr Lys Arg Lys Ser Leu Ser
                85                  90                  95

Asp Ser Gly Ser Asp Asp Ser Lys Gln Arg
            100                 105
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<210> 1761
<211> 69
<212> PRT
<213> Homo sapiens

<400> 1761
Ala Pro Ala Ser Pro Leu Leu Glu Met Asp Pro Asn Cys Ser Cys Ala
1 5 10 15

Thr Gly Gly Ser Cys Thr Cys Ala Gly Ser Cys Lys Cys Lys Glu Cys
20 25 30

Lys Cys Thr Ser Cys Lys Lys Ser Cys Cys Ser Cys Cys Pro Val Gly
35 40 45

Cys Ala Lys Cys Ala Gln Gly Cys Val Cys Lys Gly Ala Ser Glu Lys
50 55 60

Cys Ser Cys Cys Ala
65

<210> 1762
<211> 41
<212> PRT
<213> Homo sapiens

<220>
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<222> (13)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1762
Pro Cys Lys Gly Ser Ile Ile Thr Trp Ser Leu Ile Xaa Asp Leu Tyr
1 5 10 15

Glu Trp Leu His Glu Gly Ser Ser Xaa Leu Leu Leu Leu Thr Ser Glu
20 25 30

Asn Asp Leu Xaa Xaa Lys Arg Arg Ala
35 40

<210> 1763
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (147)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1763
Pro Thr Arg Pro Pro Thr Arg Pro Pro Ser Pro Asn Met Ala Ala Ser
1 5 10 15

Ala Lys Lys Lys Asn Lys Lys Gly Lys Thr Ile Ser Leu Thr Asp Phe
20 25 30

Leu Ala Glu Asp Gly Gly Thr Gly Gly Gly Ser Thr Tyr Val Ser Lys
35 40 45

Pro Val Ser Trp Ala Asp Glu Thr Asp Asp Leu Glu Gly Asp Val Ser
50 55 60

Thr Thr Trp His Ser Asn Asp Asp Asp Val Tyr Arg Ala Pro Pro Ile
65 70 75 80

Asp Arg Ser Ile Leu Pro Thr Ala Pro Arg Ala Ala Arg Glu Pro Asn
85 90 95

Ile Asp Arg Ser Arg Leu Pro Lys Ser Pro Pro Tyr Thr Ala Phe Leu
100 105 110

Gly Asn Leu Pro Tyr Asp Val Thr Glu Glu Ser Ile Lys Glu Phe Phe
115 120 125

Arg Gly Leu Asn Ile Ser Ala Val Arg Leu Pro Arg Glu Pro Ser Asn
130 135 140

Pro Glu Xaa Leu Lys Gly Leu Gly Met Leu

145 150

<210> 1764
<211> 80
<212> PRT
<213> Homo sapiens

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<400> 1764

Ala	Xaa	Xaa	Phe	Pro	Tyr	Thr	Val	Asp	Asn	Ala	Arg	Ile	Val	Leu	Xaa
1				5				10					15		

Ile	Asp	Asn	Ala	Arg	Leu	Ala	Ala	Asp	Asp	Phe	Arg	Gly	Xaa	Tyr	Glu
		20					25					30			

Thr	Asp	Leu	Ala	Met	Arg	Xaa	Ser	Val	Xaa	Asn	Asp	Ile	His	Gly	Leu
		35					40					45			

Arg	Lys	Val	Ile	Asp	Asp	Thr	Asn	Ile	Thr	Arg	Leu	Xaa	Leu	Glu	Thr
	50					55					60				

Glu	Ile	Glu	Xaa	Leu	Xaa	Glu	Asp	Leu	Leu	Phe	Met	Xaa	Xaa	Asn	His
65					70					75					80

<210> 1765
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<212> PRT
<213> Homo sapiens

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<400> 1765

Phe	Gly	Thr	Arg	Arg	Asn	Val	Lys	Leu	Ile	Ala	Leu	Ser	Ile	Asp	Ser
1				5				10					15		

Val	Glu	Asp	His	Leu	Ala	Trp	Ser	Lys	Xaa	Ile	Asn	Ala	Tyr	Asn	Cys
		20					25					30			

Glu Glu Pro Thr Glu Lys Leu Pro Phe Pro Ile Ile Asp Asp Arg Asn
35 40 45

Arg Glu Leu Ala Ile Leu Leu Gly Met Leu Asp Pro Ala Arg Glu Gly
50 55 60

<210> 1766
<211> 94
<212> PRT
<213> Homo sapiens

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<400> 1766
Ile Arg His Glu Gln Ala Ala Ser Ser Pro Glu Pro Thr Gly Cys Leu
1 5 10 15

Leu Ser Gln Arg Arg Pro Leu Ile Thr Val Ala Met Pro Gly Gly Leu
20 25 30

Leu Leu Gly Asp Val Ala Pro Asn Phe Glu Ala Asn Thr Thr Val Gly
35 40 45

Arg Ile Arg Phe His Asp Phe Leu Gly Asp Ser Trp Gly Ile Leu Phe
50 55 60

Ser His Pro Arg Asp Phe Thr Pro Val Cys Thr Thr Glu Leu Gly Arg
65 70 75 80

Ala Ala Lys Trp His Gln Asn Leu Xaa Arg Gly Met Leu Ser
85 90

<210> 1767
<211> 51
<212> PRT
<213> Homo sapiens

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<400> 1767
Gly Val Ser Cys Thr Xaa Pro Val Leu Gln Val Gln Arg Val Gln Met
1 5 10 15

His Leu Leu Gln Glu Glu Leu Leu Leu Leu Pro Cys Gly Cys Ala
20 25 30

Lys Cys Ala Gln Gly Cys Ile Cys Lys Gly Ala Ser Glu Lys Cys Ser
35 40 45

Cys Cys Ala
50

<210> 1768
<211> 143
<212> PRT
<213> Homo sapiens

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<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1768
Gln Arg Thr Xaa Gly Asn Xaa Xaa Ala Cys Arg Tyr Arg Thr Gly Ile
1 5 10 15

Pro Gly Ser Thr His Ala Ser Gly Arg Gly His Gly Leu Ile Ala Val
20 25 30

Cys Ala Leu His Ser Val Pro His Ser Pro Pro Thr Thr Cys Leu Ala
35 40 45

Glu Arg Thr Pro Cys Arg Arg Pro Ala Glu Met Leu Arg Leu Pro Thr
50 55 60

Val Phe Arg Gln Met Arg Pro Val Ser Arg Val Leu Ala Pro His Leu
65 70 75 80

Thr Arg Ala Tyr Ala Lys Asp Val Lys Phe Gly Ala Asp Ala Arg Ala
85 90 95

Leu Met Leu Gln Gly Val Asp Leu Leu Ala Asp Ala Val Ala Val Thr
100 105 110

Met Gly Pro Lys Gly Arg Thr Val Ile Ile Glu Gln Ser Trp Gly Ser
115 120 125

Pro Lys Val Thr Arg Asp Gly Val Thr Val Ala Lys Ser Leu Thr
130 135 140

<210> 1769
<211> 168
<212> PRT
<213> Homo sapiens

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<400> 1769

Asn Ser Ala Arg Ala Cys Xaa Ala Glu Arg Thr Xaa Cys Arg Arg Pro
1 5 10 15

Ala Glu Met Leu Arg Leu Pro Thr Val Phe Arg Gln Met Arg Pro Val
20 25 30

Ser Arg Val Leu Ala Pro His Leu Xaa Arg Ala Tyr Ala Lys Xaa Val
35 40 45

Lys Phe Gly Ala Asp Ala Arg Ala Leu Met Leu Gln Gly Val Asp Leu
50 55 60

Leu Ala Asp Ala Val Ala Val Thr Met Gly Pro Lys Gly Arg Thr Val
65 70 75 80

Ile Ile Glu Gln Ser Trp Gly Ser Pro Lys Val Thr Lys Asp Gly Val
85 90 95

Thr Val Ala Lys Ser Ile Asp Leu Lys Asp Lys Tyr Lys Asn Ile Gly
100 105 110

Ala Lys Xaa Val Gln Asp Val Ala Xaa Asn Thr Ile Glu Glu Leu Gly
115 120 125

Met Ala Xaa Pro Cys Tyr Cys Tyr Gly Thr Ser Ile Ala Lys Glu Gly
130 135 140

Phe Glu Lys Val Ser Lys Val Leu Ile His Gly Asn Gln Glu Arg Cys
145 150 155 160

Asp Val Xaa Val Asp Ala Val Leu
165

<210> 1770
<211> 148
<212> PRT
<213> Homo sapiens

<400> 1770

Gly Ala Glu Ala Phe Gly Ala Ala Lys Met Pro Asp Tyr Leu Gly Ala
1 5 10 15

Asp Gln Arg Lys Thr Lys Glu Asp Glu Lys Asp Asp Lys Pro Ile Arg
20 25 30

Ala Leu Asp Glu Gly Asp Ile Ala Leu Leu Lys Thr Tyr Gly Gln Ser
35 40 45

Thr Tyr Ser Arg Gln Ile Lys Gln Val Glu Asp Asp Ile Gln Gln Leu
50 55 60

Leu Lys Lys Ile Asn Glu Leu Thr Gly Ile Lys Glu Ser Asp Thr Gly
65 70 75 80

Leu Ala Pro Pro Ala Leu Trp Asp Leu Ala Ala Asp Lys Gln Thr Leu
85 90 95

Gln Ser Glu Gln Pro Leu Gln Val Ala Arg Cys Thr Lys Ile Ile Asn
100 105 110

Ala Asp Ser Glu Asp Pro Lys Tyr Ile Ile Asn Val Lys Gln Phe Ala
115 120 125

Lys Phe Val Val Asp Leu Ser Asp Gln Val Ala Pro Thr Asp Ile Glu
130 135 140

Glu Gly Met Arg
145

<210> 1771
<211> 45
<212> PRT
<213> Homo sapiens

<220>
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<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1771
Gly Arg Met Ala Glu Ser [illegible] Asp Lys Le[illegible] Tyr Arg Val Glu Tyr Ala
1 5 1 15

Lys Ser Gly Arg Ala Ser Cys Lys Lys Cys Ser Glu Thr Ser Pro Arg
20 25 30

Thr Arg Ser Gly Trp Xaa Ser Trp Cys Ile Ala His Val
35 40 45

<210> 1772
<211> 81
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1772
Leu Glu Ala Glu Xaa Ser Leu Ser Arg Gly Asp Trp Tyr Lys Thr Lys
1 5 10 15

Glu Ile Leu Leu Lys Gly Pro Asp Trp Ile Leu Gly Glu Ile Lys Thr
20 25 30

Ser Gly Leu Arg Gly Arg Gly Gly Ala Gly Phe Pro Asn Gly Leu Lys
35 40 45

Trp Xaa Phe Met Ile Arg Pro Gln Met Ala Gly Pro Ser Ile Trp Trp
50 55 60

Xaa Asn Ala Asn Glu Gly Gly Ala Gly Xaa Leu Xaa Glu Pro Gly Gly
65 70 75 80

Phe

<210> 1773
<211> 145
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1773

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Cys Glu Lys Thr Thr Glu Gly Ala Leu Pro Ser Ser Thr Ala Ala Ala
  1               5                  10                  15

Ser Phe Phe Cys Arg Ser Trp Cys Cys Leu Cys Ala Arg Leu Val Arg
             20                  25                  30

Thr Trp Tyr Leu Phe Cys Glu Ala Ala Ala Glu Glu Thr Pro Ala Leu
         35                  40                  45

Ala Met Ala Asp Glu Lys Pro Lys Glu Gly Val Lys Thr Glu Asn Asn
     50                  55                  60

Asp His Ile Asn Leu Lys Val Ala Gly Gln Asp Gly Ser Val Val Gln
 65                  70                  75                  80

Phe Lys Ile Lys Arg His Thr Pro Leu Ser Lys Leu Met Lys Ala Tyr
                 85                  90                  95

Cys Glu Arg Gln Gly Leu Ser Met Lys Gln Ile Arg Phe Arg Phe Xaa
            100                 105                 110

Gly Gln Pro Ile Asn Xaa Thr Asp Thr Pro Ala Gln Leu Gly Asn Gly
        115                 120                 125

Arg Met Lys Ile Pro Met Met Cys Ser Lys Gln Gln Thr Gly Gly Val
    130                 135                 140

Tyr
145
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<210> 1774
<211> 122
<212> PRT
<213> Homo sapiens

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<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1774

His	Ala	Ser	Ala	His	Ala	Ser	Ala	Pro	Leu	Ala	Met	Ala	Ser	Leu	Thr
1				5				10					15		

Val	Lys	Ala	Tyr	Leu	Leu	Gly	Lys	Glu	Asp	Ala	Ala	Arg	Glu	Ile	Arg
			20					25					30		

Arg	Phe	Ser	Phe	Cys	Cys	Ser	Pro	Glu	Pro	Glu	Ala	Gly	Ser	Xaa	Ala
			35					40					45		

Ala	Ala	Gly	Pro	Gly	Pro	Leu	Arg	Ala	Ala	Ala	Glu	Pro	Gly	Gly	Arg
	50					55					60				

Pro	Val	Pro	Arg	Ala	Ala	Ala	Trp	Arg	Leu	Ser	Arg	Arg	Thr	Thr	Ala
65					70					75					80

Ile	Glu	Asp	Gly	Asp	Leu	Leu	Leu	Phe	Ser	Ile	Asp	Glu	Asp	Leu	Thr
				85					90					95	

Trp	Ala	Cys	Ser	Thr	Leu	Lys	Met	Asn	Leu	Xaa	Asp	Phe	Xaa	Phe	Xaa
			100					105					110		

Glu Lys Xaa Phe Pro Ala Gly Thr Arg Gln
115 120

<210> 1775
<211> 105
<212> PRT
<213> Homo sapiens

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<400> 1775
Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val Arg
1 5 10 15

Asn Glu Leu Arg Val Ala Pro Glu Glu His Pro Thr Leu Leu Thr Glu

20 25 30

Ala Pro Leu Asn Pro Lys Ala Asn Arg Glu Lys Met Thr Gln Ile Met
35 40 45

Phe Glu Thr Phe Asn Val Gln Ala Met Xaa Leu Ala Ile Gln Ala Val
50 55 60

Leu Ser Leu Tyr Ala Ser Gly Xaa Thr Met Glu Ser Cys Trp Thr Leu
65 70 75 80

Glu Met Val Ser Pro Xaa Met Ser Gln Xaa Met Arg Ala Met Leu Xaa
85 90 95

Pro Met Gln Xaa Met Gly Leu Xaa Leu
100 105

<210> 1776
<211> 106
<212> PRT
<213> Homo sapiens

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<400> 1776

Pro Leu Arg Gly Asn Val Val Pro Ser Pro Leu Pro Thr Arg Xaa Thr
1 5 10 15

Arg Thr Phe Ser Ala Thr Val Arg Ala Ser Xaa Gly Pro Val Tyr Lys
20 25 30

Gly Val Cys Lys Cys Phe Xaa Arg Ser Lys Gly His Gly Phe Xaa Xaa
35 40 45

Pro Ala Asp Gly Gly Pro Asp Ile Phe Leu His Ile Phe Glu Xaa Xaa
50 55 60

Arg Gly Ser Met Xaa Xaa Trp Lys Ala Thr Arg Ser Xaa Ile Lys Cys
65 70 75 80

Ala Ser Ile Pro Pro Lys Xaa Glu Lys Leu Gln Ala Val Gly Val Arg
85 90 95

His Gln Ser Pro Gly Thr Arg Xaa Gln Val
100 105

<210> 1777
<211> 90
<212> PRT
<213> Homo sapiens

<400> 1777
Gly Leu Asp Met Phe Ser Phe Val Asp Leu Arg Leu Leu Leu Leu Leu
1 5 10 15

Ala Ala Thr Ala Leu Leu Thr His Gly Gln Glu Glu Gly Gln Val Glu
20 25 30

Gly Gln Asp Glu Asp Ile Pro Pro Ile Thr Cys Val Gln Asn Gly Leu
35 40 45

Arg Tyr His Asp Arg Asp Val Trp Lys Pro Glu Pro Cys Arg Ile Cys
50 55 60

Val Cys Asp Asn Gly Lys Val Leu Cys Asp Asp Val Ile Cys Asp Glu
65 70 75 80

Thr Lys Asn Cys Pro Gly Ala Glu Val Pro
85 90

<210> 1778
<211> 64
<212> PRT
<213> Homo sapiens

<220>
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<400> 1778
Ile Ile Xaa Asn Thr Glu Asn Leu Val Arg Glu Leu Leu Thr Val Pro
1 5 10 15

Asp Asn Tyr Xaa Val Ile Xaa Leu Ala Xaa Lys Trp Val Arg Pro Ile
20 25 30

Xaa Cys Cys Pro Leu Xaa Leu Ile Gly Leu Lys Ala Xaa Lys Cys Ala
35 40 45

Asp Tyr Val Val Thr Gly Thr Trp Ser Ala Lys Gly Ala Xaa Lys Thr
50 55 60

<210> 1779
<211> 60
<212> PRT
<213> Homo sapiens

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<222> (60)
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<400> 1779
Trp Leu Ser Ser Thr Ala Met Tyr Ser Ala Ala Gly Arg Asp Leu Gly
1 5 10 15

Met Glu Pro His Arg Ala Ala Gly Pro Leu Pro Ala Ala Asn Phe Arg
20 25 30

Pro Asp Val Phe Asn Gly Gly Asp Tyr Thr Gly Gln Leu Leu Glu Lys
35 40 45

Ile Leu Pro Ile Val Ala Ser Glu Tyr Ser Ile Xaa
50 55 60

<210> 1780
<211> 60
<212> PRT
<213> Homo sapiens

<220>
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<222> (59)
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<400> 1780
Thr Leu Xaa Leu His Lys Ile Gln Lys Leu Arg Trp Ala Trp Cys Cys
1 5 10 15

Xaa Pro Ile Val Pro Leu Leu Val Gly Leu Arg Gln Glu Asp His Leu
20 25 30

Ser Pro Gly Gly Arg Gly Tyr Xaa Ala Pro Arg Val His Tyr Cys Thr

35 40 45

Pro Ala Arg Ala Arg Arg Ala Arg Pro Cys Xaa Lys
50 55 60

<210> 1781
<211> 67
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<222> (57)
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<400> 1781
Gly Cys Arg Val Asn Gln Ala Ala Val Xaa Trp His Glu Gln Val Xaa
1 5 10 15

Trp Leu Ser Glu Xaa Arg Xaa Gly Glu Thr Val Tyr Tyr Arg Leu Leu
20 25 30

Pro Xaa Lys Asn Val Xaa Xaa Arg Xaa Ala Arg Gly Leu Val Phe Lys
35 40 45

Glu Cys Arg Gln Ser Ala Ser Met Xaa Arg Val Leu Ala Val Tyr Gly
50 55 60

Val Lys Arg
65

<210> 1782
<211> 152
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
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<220>
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<222> (127)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (148)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (149)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1782

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Arg Pro Thr Arg Pro Leu Thr Ser Thr Xaa Ala Val Gly Lys Asn Lys
  1               5                  10                  15

Arg Leu Thr Lys Gly Gly Lys Lys Gly Ala Lys Lys Lys Val Val Asp
            20                  25                  30

Pro Phe Ser Lys Lys Asp Trp Tyr Asp Val Lys Ala Pro Ala Met Phe
        35                  40                  45

Asn Ile Arg Asn Ile Gly Lys Thr Leu Val Thr Arg Thr Gln Gly Thr
    50                  55                  60

Lys Ile Ala Ser Asp Gly Leu Lys Gly Arg Val Phe Glu Val Ser Leu
65                  70                  75                  80

Ala Asp Leu Gln Asn Asp Glu Val Ala Phe Arg Lys Phe Lys Leu Ile
                85                  90                  95

Thr Glu Asp Val Gln Gly Lys Asn Cys Leu Thr Asn Phe His Gly Met
            100                 105                 110

Asp Leu Thr Arg Asp Lys Met Cys Ser Met Val Lys Lys Trp Xaa Thr
        115                 120                 125

Met Ile Glu Ala His Val Asp Val Lys Thr Thr Asp Gly Tyr Leu Leu
    130                 135                 140

Arg Cys Ser Xaa Xaa Xaa Xaa Leu
145                 150
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<210> 1783
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1783
His Arg Val Arg Gln Arg Xaa Pro Thr Leu Ala Arg Ala Met Ala Ser
1 5 10 15

Val Ser Glu Leu Ala Cys Ile Tyr Ser Ala Leu Ile Leu His Asp Asp
20 25 30

Glu Val Thr Val Thr Glu Asp Lys Ile Asn Ala Leu Ile Lys Ala Ala
35 40 45

Gly Val Asn Val Glu Pro Phe Trp Pro Gly Leu Phe Ala Lys Ala Leu
50 55 60

Ala Asn Val Asn Ile Gly Ser Leu Ile Cys Asn Val Gly Ala Gly Gly
65 70 75 80

Pro Xaa Pro Ala Ala Gly Ala Ala Pro Ala Gly Gly Pro Ala Pro Ser
85 90 95

Thr Ala Ala Ala Pro Ala Glu Glu Lys Lys Val Glu Ala Lys Lys Glu
100 105 110

Glu Ser Glu Glu Ser Tyr Asp Asp Met Gly Phe Gly Leu Phe Asp
115 120 125

<210> 1784
<211> 101
<212> PRT
<213> Homo sapiens

<220>
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<222> (9)
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1784
Gly Ser Ala Ala Gly Ser Thr Ala Xaa Ser Leu Leu Ser Thr Gly Xaa
1 5 10 15

Pro Arg Pro Thr Arg Pro Asp Lys Ala Arg Arg Leu Gly Tyr Lys Ala
20 25 30

Lys Gln Gly Tyr Val Ile Tyr Arg Ile Arg Val Arg Arg Gly Gly Arg
35 40 45

Lys Arg Pro Val Pro Lys Gly Ala Thr Tyr Gly Lys Pro Val His His
50 55 60

Gly Val Xaa Xaa Leu Lys Phe Ala Arg Ser Leu Gln Ser Val Ala Glu
65 70 75 80

Glu Arg Ala Gly Arg His Cys Gly Ala Leu Arg Val Leu Asn Ser Tyr
85 90 95

Trp Val Gly Glu Asp
100

<210> 1785
<211> 123
<212> PRT
<213> Homo sapiens

<400> 1785
Ala Lys Met Gly Ala Tyr Lys Tyr Ile Gln Glu Leu Trp Arg Lys Lys
1 5 10 15

Gln Ser Asp Val Met Arg Phe Leu Leu Arg Val Arg Cys Trp Gln Tyr
20 25 30

Arg Gln Leu Ser Ala Leu His Arg Ala Pro Arg Pro Thr Arg Pro Asp
35 40 45

Lys Ala Arg Arg Leu Gly Tyr Lys Ala Lys Gln Gly Tyr Val Ile Tyr
50 55 60

Arg Ile Arg Val Arg Arg Gly Gly Arg Lys Arg Pro Val Pro Lys Gly
65 70 75 80

Ala Ile Thr Ala Ser Leu Ser Ile Met Val Leu Thr Ala Lys Val Cys
85 90 95

Ser Lys Pro Ser Val Arg Cys Arg Gly Ala Ser Trp Thr Pro Leu Trp
100 105 110

Gly Ser Glu Ser Pro Glu Phe Leu Leu Gly Trp
115 120

<210> 1786
<211> 137
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1786
Ile Xaa Ile Lys Xaa Thr Xaa Thr Xaa Gly Xaa Lys Leu Xaa Leu His
1 5 10 15

Arg Gly Gly Gly Arg Ser Ser Thr Ser Gly Ser Pro Gly Ser Ala Gly
20 25 30

Ile Arg His Glu Arg Xaa Lys Arg Asp Asp Glu Gly Thr Ser Ser Phe
35 40 45

Gly Lys Arg Arg Asn Lys Thr His Xaa Leu Cys Arg Arg Cys Gly Ser
50 55 60

Lys Ala Tyr His Leu Gln Lys Ser Thr Cys Gly Lys Cys Gly Tyr Pro
65 70 75 80

Ala Lys Arg Lys Arg Lys Tyr Asn Trp Ser Ala Lys Ala Lys Arg Arg
85 90 95

Asn Thr Thr Gly Thr Gly Arg Met Arg His Leu Lys Ile Val Tyr Arg
100 105 110

Arg Phe Arg His Gly Phe Arg Glu Gly Thr Thr Pro Lys Pro Lys Arg
115 120 125

Ala Ala Val Ala Ala Ser Ser Ser Ser
130 135

<210> 1787
<211> 128
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1787

Leu Xaa Leu Thr Lys Gly Xaa Lys Ser Trp Gly Ser Thr Ala Val Thr
1 5 10 15

Thr Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
20 25 30

Gly Arg Gly Asp Met Ala Lys Arg Thr Lys Lys Val Gly Ile Val Gly
35 40 45

Lys Tyr Gly Thr Arg Tyr Gly Ala Ser Leu Arg Lys Met Val Lys Lys
50 55 60

Ile Glu Ile Ser Gln His Ala Lys Tyr Thr Cys Ser Phe Cys Gly Lys
65 70 75 80

Thr Lys Met Lys Arg Arg Ala Val Gly Ile Trp His Cys Gly Ser Cys
85 90 95

Met Lys Thr Val Ala Gly Gly Ala Trp Thr Tyr Asn Thr Thr Ser Ala
100 105 110

Val Thr Val Lys Ser Ala Ile Arg Arg Leu Lys Glu Leu Lys Asp Gln
115 120 125

<210> 1788
<211> 95
<212> PRT
<213> Homo sapiens

<400> 1788
Arg Gly Asp Met Ala Lys Arg Thr Lys Lys Val Gly Ile Val Gly Lys
1 5 10 15

Tyr Gly Thr Arg Tyr Gly Ala Ser Leu Arg Lys Met Val Lys Lys Ile
20 25 30

Glu Ile Ser Gln His Ala Lys Tyr Thr Cys Ser Phe Cys Gly Lys Thr
35 40 45

Lys Met Lys Arg Arg Ala Val Gly Ile Trp His Cys Gly Ser Cys Met
50 55 60

Lys Thr Val Ala Gly Gly Ala Trp Thr Tyr Asn Thr Thr Ser Ala Val
65 70 75 80

Thr Val Lys Ser Ala Ile Arg Arg Leu Lys Glu Leu Lys Asp Gln

85 90 95

<210> 1789
<211> 113
<212> PRT
<213> Homo sapiens

<220>
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<222> (72)
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<400> 1789

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Gln Ser Leu Gly Arg Gly Asp Met Ala Lys Arg Thr Lys Lys Val Gly
 1               5                  10                  15

Ile Val Gly Lys Tyr Gly Thr Arg Tyr Gly Ala Ser Leu Arg Lys Met
            20                  25                  30

Val Lys Lys Ile Glu Ile Ser Gln His Ala Lys Tyr Thr Cys Ser Phe
        35                  40                  45

Cys Gly Lys Thr Lys Met Lys Arg Arg Ala Val Gly Ile Trp His Cys
    50                  55                  60
```

Gly Ser Cys Met Lys Thr Val Xaa Gly Gly Xaa Trp Thr Tyr Asn Thr
65 70 75 80

Thr Ser Ala Val Thr Val Lys Val Arg His Gln Lys Xaa Glu Gly Val
85 90 95

Glu Arg Pro Leu Asp Val Pro Xaa Xaa Phe Gly Thr Ser Leu Xaa Tyr
100 105 110

Asn

<210> 1790
<211> 24
<212> PRT
<213> Homo sapiens

<400> 1790
Ile Pro Cys Leu Lys Pro Lys Asn Phe Gly Ile Gly Gln Asp Ile Gln
1 5 10 15

Pro Lys Arg Asp Ser Pro Ala Leu
20

<210> 1791
<211> 70
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1791
Arg Arg Cys Ala Leu Arg Ala Val Asp Phe Ala Glu Arg Asn Gly Tyr
1 5 10 15

Ile Lys Gly Ile Val Lys Asp Ile Ile His Asp Pro Gly Arg Gly Xaa
20 25 30

Pro Leu Ala Lys Val Val Phe Arg Asp Pro Xaa Arg Leu Arg Ser Xaa
35 40 45

Xaa Glu Leu Phe Ile Ala Ala Glu Gly Ile His Thr Gly Gln Phe Val
50 55 60

Tyr Cys Arg Lys Lys Ala
65 70

<210> 1792
<211> 110
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1792

Gly Arg Val Xaa Arg Pro Thr Arg Pro Xaa Glu Xaa Arg Gly Gly Gly
1 5 10 15

Gly Leu Gly Ala Phe Lys Ile Gln Leu His Xaa Xaa Ala Thr Gly Met
20 25 30

Ala Glu Glu Gly Ile Ala Ala Gly Gly Val Met Asp Val Asn Thr Ala
35 40 45

Leu Gln Glu Val Leu Lys Thr Ala Leu Xaa His Asp Gly Leu Ala Arg

50 55 60

Gly Ile Arg Glu Ala Ala Lys Ala Leu Asp Lys Arg Gln Ala His Leu
65 70 75 80

Cys Xaa Leu Ala Ser Asn Xaa Asp Glu Pro Met Tyr Xaa Lys Xaa Xaa
85 90 95

Glu Ala Leu Xaa Ala Glu His Gln Xaa Asn Leu Ile Lys Gly
100 105 110

<210> 1793
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1793
Leu Val Pro Asn Ser Ala Arg Ala Ala Ile Met Gly Arg Met His Ala
1 5 10 15

Pro Gly Lys Gly Leu Ser Gln Ser Ala Leu Pro Tyr Arg Arg Ser Val
20 25 30

Pro Thr Trp Leu Lys Leu Thr Ser Asp Xaa Xaa Lys Glu Gln Ile Tyr
35 40 45

Lys Leu Ala Lys Lys Gly Leu Thr Pro Ser Gln Ile Gly Val Ile Leu
50 55 60

Arg Asp Ser His Gly Val Ala Gln Val Arg Phe Val Thr Gly Asn Lys
65 70 75 80

Ile Leu Arg Ile Leu Lys Ser Lys Gly Leu Ala Pro
85 90

<210> 1794
<211> 105

<212> PRT
<213> Homo sapiens

<400> 1794

```
Ile Ala Ile Val Asn Asp Thr Val Thr Ile Arg Thr Arg Lys Phe Met
 1               5                  10                  15

Thr Asn Arg Leu Leu Gln Arg Lys Gln Met Val Ile Asp Val Leu His
            20                  25                  30

Pro Gly Lys Ala Thr Val Pro Lys Thr Glu Ile Arg Glu Lys Leu Ala
        35                  40                  45

Lys Met Tyr Lys Thr Thr Pro Asp Val Ile Phe Val Phe Gly Phe Arg
    50                  55                  60

Thr His Phe Gly Gly Gly Lys Thr Thr Gly Phe Gly Met Ile Tyr Asp
65                  70                  75                  80

Ser Leu Asp Tyr Ala Lys Lys Asn Glu Pro Lys His Arg Leu Ala Arg
                85                  90                  95

His Gly Leu Tyr Glu Lys Lys Lys Thr
            100                 105
```

<210> 1795
<211> 92
<212> PRT
<213> Homo sapiens

<400> 1795

```
Val Asp Pro Arg Val Arg Tyr Asp Thr Lys Gly Arg Phe Ala Val His
 1               5                  10                  15

Arg Ile Thr Pro Glu Glu Ala Lys Tyr Lys Leu Cys Lys Val Arg Lys
            20                  25                  30

Ile Phe Val Gly Thr Lys Gly Ile Pro His Leu Val Thr His Asp Ala
        35                  40                  45

Arg Thr Ile Arg Tyr Pro Asp Pro Leu Ile Lys Val Asn Asp Thr Ile
    50                  55                  60

Gln Ile Asp Leu Glu Thr Gly Lys Ile Thr Asp Phe Ile Lys Phe Asp
65                  70                  75                  80

Thr Gly Asn Leu Cys Met Val Thr Gly Gly Ala Asn
                85                  90
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<210> 1796
<211> 130
<212> PRT
<213> Homo sapiens

<220>
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<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1796

Gly Ile Phe Arg Asp Asn Trp His Lys Arg Arg Lys Thr Gly Gly Lys
1 5 10 15

Arg Lys Pro Tyr His Lys Lys Arg Lys Tyr Glu Leu Gly Arg Pro Ala
20 25 30

Ala Asn Thr Lys Ile Gly Pro Arg Arg Ile His Thr Val Arg Val Arg
35 40 45

Gly Gly Asn Lys Lys Tyr Arg Ala Leu Arg Leu Asp Val Gly Asn Phe
50 55 60

Ser Trp Gly Ser Glu Cys Cys Thr Arg Lys Thr Arg Ile Ile Asp Val
65 70 75 80

Val Tyr Asn Ala Ser Asn Asn Glu Leu Xaa Arg Thr Lys Thr Leu Val
85 90 95

Lys Asn Cys Ile Xaa Leu Ile Asp Ser Thr Pro Tyr Arg Gln Trp Tyr
100 105 110

Xaa Val Pro Leu Cys Ala Ala Pro Gly Pro Gln Glu Gly Ser Gln Ala
115 120 125

Asp Ser
130

<210> 1797
<211> 106
<212> PRT
<213> Homo sapiens

<220>
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<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (98)
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<222> (99)
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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (106)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1797
Pro Arg Ala Gly Gly Cys Gly Gly Ser Gly Arg Val Thr Ala Cys Leu
1 5 10 15

Cys Ala Cys Ala Thr Leu Val Trp Pro Pro Arg Phe Gln Glu Val Leu
20 25 30

Leu Val Leu Ser Gly Leu Val His Ala Arg Gly Cys Thr Tyr Xaa Gln
35 40 45

Leu Trp Ser Arg Ser His Pro Phe Cys Cys Xaa Arg Gly Pro Leu Ala
50 55 60

Met Ala Gly Ile Leu Phe Glu Asp Ile Phe Asp Val Lys Asp Ile Xaa
65 70 75 80

Pro Glu Gly Lys Lys Phe Xaa Arg Val Ser Arg Xaa His Cys Glu Ser
85 90 95

Glu Xaa Xaa Arg Trp Xaa Xaa Thr Lys Xaa
100 105

<210> 1798
<211> 140
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (7)
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1798

Lys Xaa Xaa Glu Pro Xaa Xaa Arg Ile Glu Arg Ala Xaa Xaa Xaa Xaa
1 5 10 15

Leu Lys Lys Ser Gly Lys Leu Lys Val Pro Glu Trp Val Asp Thr Val
20 25 30

Lys Leu Ala Lys His Lys Glu Leu Ala Pro Tyr Asp Glu Asn Trp Phe
35 40 45

Tyr Thr Arg Ala Ala Ser Thr Ala Arg His Leu Tyr Leu Arg Gly Gly
50 55 60

Ala Gly Val Gly Ser Met Thr Lys Ile Tyr Gly Gly Arg Gln Arg Asn
65 70 75 80

Gly Val Met Pro Ser His Phe Ser Arg Gly Ser Lys Ser Val Ala Arg
85 90 95

Arg Val Leu Gln Ala Leu Glu Gly Leu Lys Met Val Glu Lys Asp Gln
100 105 110

Asp Gly Gly Arg Lys Leu Thr Pro Gln Gly Gln Arg Asp Leu Asp Arg
115 120 125

Ile Ala Gly Gln Val Ala Ala Ser Asn Lys Lys His
130 135 140

<210> 1799
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (126)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1799

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Val Asp Pro Arg Val Arg Lys Thr Val Xaa Glu Leu Asp Lys Gly Met
 1               5                  10                  15

Gln Glu Arg Thr Gly Ala Ala Thr Ala Arg Arg Glu Ser Leu Pro Gln
            20                  25                  30

Ala Asn Asn Pro Glu Gln Leu Cys Lys Gln Arg Cys Ile Asn Glu Ala
        35                  40                  45

Ser Trp Thr Met Lys Leu Val Leu Ser Cys Val Pro Glu Pro Thr Val
    50                  55                  60

Val Met Ala Ala Arg Ala Leu Cys Met Leu Gly Leu Val Leu Ala Leu
65                  70                  75                  80

Leu Ser Ser Ser Ser Ala Arg Glu Leu Arg Gly Ala Cys Leu Pro Asn
                85                  90                  95

Gln Cys Ala Val Pro Ala Lys Asp Arg Val Glu Leu Arg Leu Thr Pro
            100                 105                 110

Met Phe Thr Pro Lys Asp Cys Lys Asn Arg Gly Cys Cys Xaa
        115                 120                 125
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<210> 1800
<211> 140
<212> PRT
<213> Homo sapiens

<220>
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<222> (123)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (133)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1800

Gly	Tyr	Leu	His	Ser	Leu	Asn	Ile	Val	Tyr	Arg	Asp	Leu	Lys	Pro	Glu
1				5				10					15		
Asn	Ile	Leu	Leu	Asp	Ser	Gln	Gly	His	Ile	Val	Leu	Thr	Asp	Phe	Gly
			20					25					30		
Leu	Cys	Lys	Glu	Asn	Ile	Glu	His	Asn	Ser	Thr	Thr	Ser	Thr	Phe	Cys
		35					40					45			
Gly	Thr	Pro	Glu	Tyr	Leu	Ala	Pro	Glu	Val	Leu	His	Lys	Gln	Pro	Tyr
	50					55					60				
Asp	Arg	Thr	Val	Asp	Trp	Trp	Cys	Leu	Gly	Ala	Phe	Leu	Tyr	Glu	Met
65					70					75					80
Leu	Tyr	Gly	Leu	Pro	Pro	Phe	Tyr	Ser	Arg	Asn	Thr	Ala	Glu	Met	Tyr
				85					90					95	
Asp	Asn	Ile	Leu	Asn	Lys	Pro	Leu	Gln	Leu	Lys	Pro	Asn	Ile	Thr	Asn
			100					105					110		
Ser	Ala	Arg	His	Leu	Leu	Glu	Gly	Leu	Leu	Xaa	Lys	Asp	Xaa	Thr	Lys
		115					120					125			
Arg	Leu	Gly	Gly	Xaa	Gly	Asp	Phe	Met	Glu	Ile	Lys				
	130					135					140				

<210> 1801
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1801

Ala	Thr	Met	Pro	Gln	Tyr	Gln	Thr	Trp	Glu	Glu	Phe	Ser	Arg	Ala	Ala
1				5					10						15
Glu	Lys	Leu	Tyr	Leu	Ala	Asp	Pro	Met	Lys	Ala	Arg	Val	Val	Leu	Lys
			20					25					30		
Tyr	Arg	His	Ser	Asp	Gly	Asn	Leu	Cys	Val	Lys	Val	Thr	Asp	Asp	Leu
		35					40					45			
Val	Cys	Leu	Val	Tyr	Lys	Thr	Asp	Gln	Ala	Gln	Asp	Val	Lys	Lys	Ile
	50					55					60				
Glu	Lys	Phe	His	Ser	Gln	Leu	Met	Arg	Leu	Ile	Val	Xaa	Gln	Gly	Ala
65				70					75						80
Xaa	Asn	Leu	Pro	Trp	Glu	Leu	Ser	Glu	Trp	Phe	Xaa				
				85					90						

<210> 1802
<211> 176
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (96)
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<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1802
Arg Gly Ala Xaa Arg Ser Arg Thr Ser Gly Ser Pro Gly Xaa Ala Gly
1 5 10 15

Ile Arg Xaa Arg Xaa Val Ser Gln Lys Thr Val Ile Ile Lys Glu Glu
20 25 30

Glu Glu Asp Thr Ala Glu Lys Pro Gly Lys Glu Glu Asp Val Val Thr
35 40 45

Pro Lys Pro Xaa Lys Arg Lys Arg Asp Gln Ala Glu Glu Glu Pro Asn
50 55 60

Arg Ile Pro Ser Arg Xaa Leu Arg Arg Thr Lys Leu Asn Gln Glu Ser
65 70 75 80

Thr Ala Pro Lys Val Leu Phe Thr Gly Val Val Asp Ala Arg Gly Xaa
85 90 95

Arg Ala Val Leu Ala Trp Gly Glu Ile Trp Leu Val His Gly Gln Ser
100 105 110

Phe Pro Xaa Val His Gly Ser His Pro Pro Asp Ile Gln Phe Leu Cys
115 120 125

Gly Pro Gly Ala Gly Xaa Ser Pro Phe Cys Ser Xaa Asp Gly Trp His
130 135 140

His Ser Arg Gln Ala Gly Phe Leu Leu Thr Pro Asp Glu Tyr Val Val
145 150 155 160

Asn Asp Xaa Ala Pro Xaa Glu Glu Phe Gly Phe Thr Phe Lys Thr His
165 170 175

<210> 1803
<211> 39
<212> PRT
<213> Homo sapiens

<400> 1803
Gly Ser Leu Ala Val Thr Lys Asn Asp Gly His Tyr Arg Gly Asp Pro
1 5 10 15

Asn Trp Phe Met Tyr Val Ala Pro Arg Glu Leu Gly Ser Pro His
20 25 30

Gly Val Gly Gly Gly Leu Phe
35

<210> 1804
<211> 42
<212> PRT
<213> Homo sapiens

<400> 1804
Gly Ser Leu Leu Ser Pro Asp Met Ala Asn Lys Gly Pro Ser Tyr Gly
1 5 10 15

Met Ser Arg Glu Val Gln Ser Lys Ile Glu Lys Lys Tyr Asp Glu Glu
20 25 30

Leu Gly Gly Ala Ala Gly Gly Val Gly Pro
35 40

<210> 1805
<211> 165
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<400> 1805
Phe Gly Thr Arg Leu Asp Gln Ile Arg Gln Arg Glu Ser Asp Ile Thr
1 5 10 15

Lys Glu Arg Ile Gln Lys Ile Leu Ala Thr Gly Ala Asn Val Ile Leu
20 25 30

Thr Thr Gly Gly Ile Asp Asp Met Cys Leu Lys Tyr Phe Val Glu Ala
35 40 45

Gly Ala Met Ala Val Arg Arg Val Leu Lys Arg Asp Leu Lys Arg Ile
50 55 60

Ala Lys Ala Ser Gly Ala Thr Ile Leu Ser Thr Leu Ala Asn Leu Glu
65 70 75 80

Gly Glu Glu Thr Phe Glu Ala Ala Met Leu Gly Gln Ala Glu Glu Val
85 90 95

Val Gln Glu Arg Phe Cys Asp Asp Glu Leu Ile Leu Ile Xaa Ile Pro
100 105 110

Arg Xaa Asp Gly Xaa Ile Gly Phe Phe Arg Gly Ala Lys Phe Ser Arg
115 120 125

Xaa Xaa Gly Gly Gly Leu Xaa Lys Xaa Leu Phe Gly Xaa Xaa Phe Gly
130 135 140

Xaa Ile Gly Xaa Pro Gly Val Leu Lys Xaa Xaa Xaa Pro Lys Ile Xaa
145 150 155 160

Pro Gly Xaa Asp Leu
165

<210> 1806
<211> 91
<212> PRT
<213> Homo sapiens

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<400> 1806

Ile Ala Gly Lys Leu Gln Asp Gly Leu Leu Xaa Ile Thr Xaa Xaa Ser
1 5 10 15

Phe Xaa Ala Pro Trp Asn Ser Leu Ser Leu Ala Xaa Ala Gly Ala Ser
20 25 30

Pro Arg Pro Thr Leu Leu Ala Val Arg Asn Ala Gln Cys Phe Pro Val
35 40 45

Tyr Pro Ser Pro Val Lys Leu Gln Ser Gly Thr His Cys Leu Trp Thr
50 55 60

Asp Gln Leu Leu Gln Gly Ser Glu Lys Gly Phe Gln Phe Pro Xaa Thr
65 70 75 80

Leu Xaa Gly Leu Thr Ser Gly Ser Xaa Gly Leu
85 90

<210> 1807
<211> 123
<212> PRT
<213> Homo sapiens

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<400> 1807
Ala Arg Pro Ser Arg Arg Arg Arg Arg Arg Arg Pro Leu Gly Leu
1 5 10 15

Ala Met Ser Ser Ser Pro Val Lys Arg Gln Arg Met Glu Ser Ala Leu
20 25 30

Asp Gln Leu Lys Gln Phe Thr Thr Val Val Ala Asp Thr Gly Asp Phe
35 40 45

His Ala Ile Asp Glu Tyr Lys Pro Gln Asp Ala Thr Thr Asn Pro Ser
50 55 60

Leu Ile Leu Ala Ala Ala Gln Met Pro Ala Tyr Gln Glu Leu Val Glu
65 70 75 80

Glu Ala Ile Ala Tyr Gly Arg Lys Leu Gly Gly Ser Gln Glu Asp Gln
85 90 95

Ile Lys Asn Ala Ile Xaa Lys Leu Phe Val Leu Phe Gly Ala Glu Ile
100 105 110

Leu Lys Lys Ile Pro Gly Arg Val Ser Thr Glu
115 120

<210> 1808
<211> 131
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<400> 1808
Arg Leu Arg Gly Gly Cys Ser Val Leu Ser Val Gln Ala Ala Ala Gly
1 5 10 15

Leu Ser Gln Arg Arg Pro Pro Phe Thr Leu Arg Ala Arg Ser Pro Ala
20 25 30

Val Leu Pro Phe Arg Cys Pro Pro Cys His His Asp Gly Thr Gly His
35 40 45

Leu Leu Arg Gln Arg Leu Leu Gly Arg Xaa Ile Ala Ala Ala Ile Ser
50 55 60

Lys Thr Ala Val Ala Pro Ile Glu Arg Val Lys Leu Leu Leu Gln Val
65 70 75 80

Gln His Ala Ser Lys Gln Ile Ala Ala Asp Lys Gln Tyr Lys Gly Ile
85 90 95

Val Asp Cys Ile Val Arg Ile Pro Arg Ser Arg Arg Val Ser Phe Trp
100 105 110

Arg Xaa Thr Leu Gln Arg His Arg Tyr Phe Pro Xaa Lys Pro Gln Phe
115 120 125

Ala Ser Arg
130

<210> 1809
<211> 93
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1809
Asp Trp Ser Lys Val Val Leu Ala Tyr Glu Pro Val Trp Ala Ile Gly
1 5 10 15

Thr Gly Lys Thr Ala Thr Pro Gln Gln Ala Gln Glu Val His Glu Lys
20 25 30

Leu Arg Gly Trp Leu Lys Ser Asn Val Ser Asp Ala Val Ala Xaa Ser
35 40 45

Thr Arg Ile Ile Tyr Gly Gly Ser Val Thr Gly Ala Thr Cys Lys Glu
50 55 60

Leu Ala Ser Gln Pro Asp Val Asp Gly Phe Leu Val Gly Gly Ala Ser
65 70 75 80

Leu Lys Pro Glu Phe Val Asp Ile Ile Asn Ala Lys Gln
85 90

<210> 1810
<211> 150
<212> PRT
<213> Homo sapiens

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<400> 1810
Ile Arg His Glu Gly Arg Gly Ile Xaa Ile Glu Arg Val Val Ser Ser
1 5 10 15

Glu Gly Gly Arg Pro Ser Val Asp Leu Ser Phe Gln Pro Ser Lys Pro
20 25 30

Leu Ser Lys Ser Ser Ser Ser Pro Glu Leu Gln Thr Leu Gln Asp Ile
35 40 45

Leu Gly Asp Pro Gly Asp Lys Ala Asp Val Gly Arg Xaa Ser Pro Xaa
50 55 60

Val Lys Ala Arg Ser Gln Ser Gly Xaa Leu Asp Gly Glu Ser Xaa Ala
65 70 75 80

Trp Ser Val Ser Gly Glu Asp Ser Xaa Xaa Gln Pro Glu Gly Pro Leu
85 90 95

Thr Ser Arg Xaa Pro Arg Phe Ala Gln Val Xaa Ser Gly Pro Val Gly
100 105 110

Tyr Asn Ile Xaa Xaa Xaa Xaa Pro Ser Arg Xaa Gly Lys Xaa Leu Glu
115 120 125

Arg Asp Ala Leu Arg Ala Glu His Ser Xaa Ile Gln Arg Ser Ser Arg
130 135 140

Ile Thr Xaa Phe Val Ser
145 150

<210> 1811
<211> 189
<212> PRT
<213> Homo sapiens

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<400> 1811

Gly	Arg	Xaa	Gln	Pro	Ser	Leu	Lys	Gly	Thr	Lys	Ala	Gly	Ala	Pro	Pro
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Arg	Cys	Gly	Arg	Ser	Arg	Thr	Ser	Gly	Ser	Pro	Gly	Leu	Gln	Glu	Phe
			20					25					30		
Gly	Thr	Ser	Glu	Asp	Glu	Ile	Asn	Arg	Arg	Thr	Ala	Ala	Glu	Asn	Glu
		35					40					45			
Phe	Val	Val	Leu	Lys	Lys	Asp	Val	Asp	Ala	Ala	Tyr	Met	Ser	Lys	Val
	50					55					60				
Glu	Leu	Glu	Ala	Lys	Val	Asp	Ala	Leu	Asn	Asp	Glu	Ile	Asn	Phe	Leu
65					70					75					80
Arg	Thr	Leu	Asn	Glu	Thr	Glu	Leu	Thr	Glu	Leu	Gln	Ser	Gln	Ile	Ser
				85					90					95	
Asp	Thr	Ser	Val	Val	Leu	Ser	Met	Asp	Asn	Ser	Arg	Ser	Leu	Asp	Leu
			100					105					110		
Asp	Gly	Ile	Ile	Ala	Glu	Val	Lys	Ala	Gln	Tyr	Glu	Glu	Met	Ala	Lys
		115					120					125			
Cys	Ser	Arg	Ala	Glu	Ala	Glu	Ala	Trp	Tyr	Gln	Thr	Lys	Phe	Glu	Thr
	130					135					140				
Leu	Gln	Ala	Gln	Ala	Gly	Lys	His	Gly	Asp	Asp	Leu	Arg	Asn	Thr	Arg
145				150					155						160
Asn	Xaa	Ile	Ser	Glu	Met	Asn	Arg	Ala	Xaa	Gln	Arg	Leu	Gln	Ala	Glu
				165					170					175	
Ile	Xaa	Asn	Ile	Lys	Asn	Gln	Arg	Ala	Lys	Leu	Glu	Ala			
			180					185							

<210> 1812
<211> 42
<212> PRT
<213> Homo sapiens

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<400> 1812
Leu Leu Ala Ser Leu Ala Asn Leu Ala Leu Pro Xaa Xaa Ile Asn Leu
1 5 10 15

Leu Gly Glu Leu Ser Val Ala Ser Asn Xaa Val Leu Leu Ile Lys Tyr
20 25 30

His Ser Pro Thr Tyr Arg Asn Ser Thr Tyr
35 40

<210> 1813
<211> 121
<212> PRT
<213> Homo sapiens

<220>
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<400> 1813
Trp Pro Pro Val Leu Ala Phe Leu Gly Cys Val Trp Ser Leu Gly Pro
1 5 10 15

Cys Leu Trp Gly Lys Ser Asn Arg Thr Leu Ala Leu Pro Lys Met Lys
20 25 30

Gly Glu Glu Met Gly Leu Leu Phe Leu Ser Pro Glu Trp Glu Arg Ser
35 40 45

Ser Gly Gly Trp Ser Phe Ser Thr Glu Glu Gly Ser Leu Lys Ala Leu
50 55 60

Leu Thr Ser Cys Cys Thr Phe Cys Ile Ser Leu His Ala His Cys Leu
65 70 75 80

Phe Leu Phe Leu Ala Leu Ala Pro Val Pro Val Pro Ala Pro Ala Asn
85 90 95

Ala Lys Met Gln Met His Xaa Leu Ala Xaa Arg Val Xaa Ala Gly Leu
100 105 110

Ser Cys Glu Xaa Gly Gly Trp Ala Xaa
115 120

<210> 1814
<211> 28
<212> PRT
<213> Homo sapiens

<220>
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<222> (17)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1814
Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu Arg Glu
1 5 10 15

Xaa Xaa Pro Xaa Ser Ala Pro His Xaa Ser Ser Pro
20 25

<210> 1815
<211> 79
<212> PRT
<213> Homo sapiens

<220>
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<400> 1815
Ile Arg Xaa Ser Gly Asn Ala Asn Xaa Glu Asn Gly Glu Gln Glu Ala
1 5 10 15

Asp Asn Glu Val Asp Glu Xaa Glu Glu Glu Gly Gly Glu Glu Glu Glu

20 25 30

Glu Glu Glu Glu Gly Asp Gly Glu Glu Glu Asp Gly Asp Glu Asp Glu
35 40 45

Glu Ala Glu Xaa Ser Tyr Gly Pro Ser Gly Gln Leu Lys Met Met Arg
50 55 60

Met Thr Met Ser Ile Pro Arg Ser Arg Arg Pro Thr Arg Met Thr
65 70 75

<210> 1816
<211> 21
<212> PRT
<213> Homo sapiens

<400> 1816
Lys Leu Lys Pro Gly Ala Ile Asp Ile Val Pro Gln Gly Lys Met Lys
1 5 10 15

Asn Tyr Asn Gln Ala
20

<210> 1817
<211> 76
<212> PRT
<213> Homo sapiens

<400> 1817
Gly Lys Arg Gly Glu Ala Phe Pro Arg Ser Ser Gln Arg Trp Arg Phe
1 5 10 15

Gly Arg Gly Phe Gly Gly Cys Ser Arg Phe Ala Gly Thr Leu Val Ile
20 25 30

Ser Leu Ala Pro Leu Leu Pro Ala His Ser Pro Gly Leu Ala Gln Tyr
35 40 45

Ile Gly Thr Cys Gly Phe Tyr Phe Val Phe Asp Val Pro Asp Arg Asn
50 55 60

Arg Ala Arg Gly Thr Ala Lys Thr Thr Val Gly Ser
65 70 75

<210> 1818

<211> 76
<212> PRT
<213> Homo sapiens

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<400> 1818

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His Xaa Ile Xaa Xaa Tyr Xaa Xaa Pro Xaa Pro Lys Arg Xaa Xaa Asn
 1               5                  10                  15

Thr Ala Cys Thr Ser Gln Arg Lys Ile Gln Asn Thr Thr Gln Xaa Ser
            20                  25                  30

Xaa Thr Glu Glu Xaa Phe Pro Pro Thr Xaa Thr Pro Gly Leu His Gln
        35                  40                  45

Pro Asn Xaa Thr Xaa Val Gly Phe Gly Phe Asp Ser Gln Xaa Val Leu
    50                  55                  60
```

Cys Trp Leu Gln Arg Ile Asp Xaa Leu Asp Gly Xaa
65 70 75

<210> 1819
<211> 44
<212> PRT
<213> Homo sapiens

<400> 1819
Arg Met Phe Leu Leu Pro Lys Asn Val Lys Pro Thr Met Glu Asp Trp
1 5 10 15

Gly Arg Gly Gly Met Lys Tyr Lys Ile Met Ile Ile Tyr Thr Glu Leu
20 25 30

Gly Phe Phe Met Phe Cys Lys Lys Val Phe Ile Ser
35 40

<210> 1820
<211> 36
<212> PRT
<213> Homo sapiens

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<400> 1820
Xaa Ser Gly Ile Gly Arg Gly Ala Leu Arg Leu Lys Ser Phe Thr Ser
1 5 10 15

Glu Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa
20 25 30

Lys Lys Xaa Xaa
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<210> 1821
<211> 32
<212> PRT
<213> Homo sapiens

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<221> SITE
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<400> 1821
Xaa Asn Thr Leu Xaa Gly Val Lys Met Lys Ile Xaa Thr Gln Asp Met
1 5 10 15

Asn Ile Phe Ser Cys Asn Leu Thr Ile Lys Ala Phe Ser His Thr Xaa
20 25 30

<210> 1822
<211> 39
<212> PRT
<213> Homo sapiens

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<222> (39)
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<400> 1822
Gly Xaa Gly Xaa Asn Pro Ala Ser Thr Lys Asn Thr Lys Lys Lys Lys
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Lys
20 25 30

Lys Lys Xaa Lys Xaa Xaa Xaa
35

<210> 1823
<211> 118
<212> PRT
<213> Homo sapiens

<220>
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<400> 1823
Xaa Asn Xaa Ser Ile Thr His Cys Thr His Gln Gly Lys Pro Gly Tyr
1 5 10 15

Ala Xaa Gln Val Thr Gly Xaa Gly Asn Ser Arg Val Asp Pro Arg Val
20 25 30

Arg Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val Arg Ser Cys His
35 40 45

Asp Leu Tyr Leu Met Val Phe Ile Ser Arg Val His Leu Arg Glu Ala
50 55 60

Thr Leu Ser Ser Arg Ala Gln Met Glu Arg Arg Phe Cys Ala Val Gly
65 70 75 80

Ser Xaa Leu Pro Arg Ser Gly Val Arg Glu Glu Asn Tyr Pro Ala Gly
85 90 95

Phe Asn Leu Phe His Pro Val Cys Ser Pro Gly Val Ala Ser Ala Leu
100 105 110

Arg Thr Ile Arg Phe Thr
115

<210> 1824
<211> 95
<212> PRT
<213> Homo sapiens

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<222> (59)
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<400> 1824

Asp	Gln	Gly	Cys	Ser	Val	Arg	Ala	Pro	Pro	Arg	His	Asp	Phe	Leu	Gln
1				5					10						15

Leu	Ser	Pro	Val	Val	Gly	His	Val	Val	Leu	Arg	Arg	Pro	Gly	Arg	Arg
			20					25					30		

Leu	Arg	Gly	Val	Leu	Gly	Arg	Gly	Ser	Pro	Phe	Ala	Arg	Pro	Ala	Phe
		35					40					45			

Thr	Gly	Ala	Pro	Ala	Ala	Ala	Ala	Tyr	Pro	Xaa	Pro	Pro	Pro	Ala	Leu
	50					55					60				

Cys	Pro	Arg	Pro	Pro	Arg	Gly	Pro	Thr	Xaa	Val	Xaa	Lys	Xaa	Gly	Val
65					70					75					80

Leu Asn Arg Xaa Xaa Thr Gly Cys Trp Ala Gly Asn Glu Glu Ala
85 90 95

<210> 1825
<211> 17
<212> PRT
<213> Homo sapiens

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<400> 1825
Xaa Tyr Ser Glu Ser Xaa Tyr Asn Ser Leu Ala Val Val Leu Gln Pro
1 5 10 15

Arg

<210> 1826
<211> 69
<212> PRT
<213> Homo sapiens

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<400> 1826
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Asn Ala Phe Phe Arg Cys Val Ser Glu Asp Leu Gly Phe Ala Val Leu
20 25 30

Xaa Thr Gln Leu Met Leu Xaa Xaa Leu Arg Phe Thr Gly Phe Ile Thr
35 40 45

Val Gly Ile Thr Pro Lys Ala Ser Pro Leu His Val Thr Glu His Val
50 55 60

Leu Asn Gln Arg Ser
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<210> 1827
<211> 167
<212> PRT
<213> Homo sapiens

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<400> 1827

Gly Glu Ala Phe Gly Ser Thr Leu Trp Asp Gly Pro Trp Arg Ala Leu
1 5 10 15

Pro Xaa Xaa Xaa Gly Trp Arg Arg Lys Arg Pro Ile Trp Gly Trp Gly
20 25 30

Pro Pro Ser Pro Trp Asn Xaa Ser Gly Ser Asp Ala Trp Cys Ala Trp
35 40 45

Ser Thr Arg Glu Leu Val Arg Asp Val Ala Lys Met Leu Pro Thr Leu
50 55 60

Gly Gly Glu Arg Lys Gly Ser Pro Arg Ile Leu Pro Arg Xaa Pro Pro
65 70 75 80

Arg Lys Leu Gly Xaa Leu Phe Leu Pro Gly Ala Gln Gly Thr His Tyr
85 90 95

Leu Xaa Pro Pro Xaa Val Trp Ala Gln Thr Arg Phe Pro Xaa Thr Xaa
100 105 110

Gln Xaa Leu Leu Ala Ser Pro Phe Pro Xaa Xaa Lys Lys Lys Gln Lys
115 120 125

Gly Gly Gly Lys Lys Arg Gly Xaa Leu Gly Gly Pro Phe Lys Gly Pro
130 135 140

Pro Xaa Xaa Arg Phe Pro Phe Leu Lys Ile Gly Lys Asn Pro Xaa Gly
145 150 155 160

Val Pro Ser Ser Pro Pro Phe
165

<210> 1828
<211> 23
<212> PRT
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<400> 1828
Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg
1 5 10 15

Arg Xaa Val Xaa Asn Xaa Xaa
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<210> 1829
<211> 35
<212> PRT
<213> Homo sapiens

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<400> 1829
Xaa Arg Xaa Lys His Met Xaa Phe Xaa Phe Xaa Leu Thr Leu Xaa Leu
1 5 10 15

Pro Thr Ser Xaa Pro Glu Gln His Xaa Ser Cys Phe Asp Thr His Leu
20 25 30

His Leu Tyr
35

<210> 1830
<211> 74
<212> PRT
<213> Homo sapiens

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<400> 1830
Pro Arg Ser Pro Arg Val Leu His His Val Ser Val Leu Trp Gly Gly
1 5 10 15

Ser Lys Gly Pro Trp Ser Trp Pro Arg Pro Arg His Arg Glu Arg Leu
20 25 30

Asp Phe Leu Ser Leu Cys Ala Glu Xaa Leu Arg Trp Arg Pro Leu Ser
35 40 45

Leu Thr Gln Gln Leu Lys His Thr Ile Ser Gly Ser Xaa Trp Leu Pro
50 55 60

His Pro Leu Xaa Cys Pro Leu Xaa Ser Xaa
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<210> 1831
<211> 43
<212> PRT
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<400> 1831
Gly Thr Ser Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser
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Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Leu Arg Asp Xaa
20 25 30

Gly Asn Xaa Lys Tyr Phe Arg Ala Arg Met Xaa
35 40

<210> 1832
<211> 66
<212> PRT
<213> Homo sapiens

<400> 1832
Glu Asn Leu Phe Ile Tyr Cys Leu Leu Val Met Gly Gly Glu Gly Arg
1 5 10 15

Phe Lys Gly Pro Gly Thr Trp Glu Pro Ser His Arg Asp Gln Arg Gly
20 25 30

Leu Ser Leu Asn Thr Thr Gly Val Tyr Ser Gly Ser Ser Thr Gln Leu
35 40 45

Leu Gly Ser Cys Pro Asn Gly Pro Pro Leu Gln His Pro Ser Trp Arg
50 55 60

Arg Gly
65

<210> 1833
<211> 40
<212> PRT
<213> Homo sapiens

<220>
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<222> (30)
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<400> 1833
Ser Phe Pro Arg Thr Thr Gly Val Ser Ser Leu Ile Val Cys Tyr Ala
1 5 10 15

Met Xaa His Leu Lys Gln Tyr Phe Ile Leu Leu Phe Phe Xaa Lys Thr
20 25 30

Gln Asn Thr Cys Asn Xaa Lys Pro
35 40

<210> 1834
<211> 71
<212> PRT
<213> Homo sapiens

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<222> (2)
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<221> SITE
<222> (43)
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<400> 1834
Ala Xaa Arg Val Gly Gly Thr His Ala Ser Val Asp Pro Arg Val Arg
1 5 10 15

Asp Leu Gly Asn Tyr Pro Asn Lys Leu Xaa Ser Pro Leu Ser Cys Gln
20 25 30

Tyr Trp Asn Cys Ser Ser Gln Val Phe Ala Xaa Ile Ser His Pro Glu
35 40 45

Arg Lys Asn Asp Arg Glu Asn Leu Cys Ser Asp Thr Thr Asp Ser Tyr
50 55 60

Ile Val Glu Gln Tyr Leu Ser

65 70

<210> 1835
<211> 58
<212> PRT
<213> Homo sapiens

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<222> (45)
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<400> 1835
Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Gly Asn Leu Thr Gly Ser
1 5 10 15

Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Trp Arg Glu
20 25 30

Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Xaa His Gln Leu
35 40 45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr
50 55

<210> 1836
<211> 80
<212> PRT
<213> Homo sapiens

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<400> 1836
Val Cys Trp Pro Val Gly Phe Gly Thr Ser Phe Ser Glu Arg Arg Arg
1 5 10 15

Lys Leu Pro Trp Leu Glu Pro Cys Ser Ala Gly Lys Gly Val Trp Arg
20 25 30

Pro Leu Leu Gly Lys Trp Arg Thr Thr Ser Gly Ala Glu Glu Ala Cys
35 40 45

Xaa Arg Lys Val Ser Arg Ile His His Lys Arg Ala Thr Arg Ala Trp
50 55 60

Lys Lys Leu Lys Thr Cys Tyr Pro Pro Ser Leu Leu His Pro Gly Thr
65 70 75 80

<210> 1837
<211> 24
<212> PRT
<213> Homo sapiens

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<400> 1837
Gly Xaa Gly Arg Glu Arg Glu Arg Thr Ser Leu Val Phe Phe Phe Phe
1 5 10 15

Phe Phe Gly Xaa Lys Ile Xaa Phe
20

<210> 1838
<211> 127
<212> PRT
<213> Homo sapiens

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<400> 1838

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His Glu Gly Glu Ile Ala Val Leu Ala Ser Gly Ala Arg Arg Leu Glu
 1               5                  10                  15

Leu Leu Arg Pro Arg Gly Asn Arg Ser Gly Thr Pro Xaa Gly Gly Glu
            20                  25                  30

Ala Ser Arg Ser Leu Arg Asp Thr Lys Ala Pro Ala Thr Arg Trp Leu
        35                  40                  45

Gln Leu Gly Arg Gly Arg Gln Asp Asp Gly Ser Gly Phe Gly Ser Val
    50                  55                  60

Thr Arg Arg Pro Glu Gly Ala Gly Pro Ala Xaa Ser Ala Arg Ala Pro
65                  70                  75                  80

Ala Leu Ala Asp Arg Asp Leu Arg Pro Xaa Met Gly Lys Lys Ala Glu
                85                  90                  95

Ala Arg Ala Pro Ile Leu Phe Gly Glu Lys Gln Ala Ser Leu Xaa Ser
            100                 105                 110

Phe Gly Ile Arg Lys Phe Xaa Thr Trp Xaa Lys Trp Cys Val Val
        115                 120                 125
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<210> 1839
<211> 57

<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1839
Ala Arg Ala Cys Ser Ser His Trp Cys Asp Ser Ser Ile Pro Phe Ala
1 5 10 15

Arg Asn Gly Pro Gln Leu Leu Leu Arg His Trp Trp Leu Leu His Val
20 25 30

Arg Arg Leu Leu Gln Xaa Gln Arg Val Gln Met Xaa Leu Leu Gln Xaa
35 40 45

Glu Leu Leu Phe Leu Xaa Pro Arg Gly
50 55

<210> 1840
<211> 33
<212> PRT
<213> Homo sapiens

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<400> 1840
Gln Gln His Arg Arg Gly Ser Arg Glu Xaa Pro Ala Leu Leu Ala Pro
1 5 10 15

Arg Xaa Gly Ile Ser Phe Thr Lys Pro Thr Arg Leu Trp Xaa Pro Arg
20 25 30

Xaa

<210> 1841
<211> 85
<212> PRT
<213> Homo sapiens

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<400> 1841
Ala Arg Gly Gln Ser Ala Trp Xaa Thr Ala Leu Xaa Pro Trp Tyr Cys
1 5 10 15

Met His Ala Met Leu Ala Ala Pro Phe Pro Ser Trp Ala Pro Arg Val
20 25 30

Ser Pro Asp Pro Gly Ser Gln Val Cys Ser His Leu His Leu Pro His
35 40 45

Ser Pro Pro Leu Pro Ser Ser Arg His Leu His Ala His Leu Val Leu
50 55 60

Ser His Arg Pro Gln Lys Gly Gly His Glu Gly Thr Ser Leu Ala Glu
65 70 75 80

Leu Gly Gly Ala Gly
85

<210> 1842
<211> 64
<212> PRT
<213> Homo sapiens

<400> 1842
His Ala Thr Cys Asn Ser Leu His Asp Pro Phe Cys Ile Phe Lys Pro
1 5 10 15

Lys Leu Ser Ala Ser Val Ala Phe Gln Gly Asn Lys Glu Ser Asn Cys
20 25 30

Gly Leu Asp Phe Val Ser Phe Phe Gln Asn Leu Ser Phe Ile Gln Phe
35 40 45

Pro Ser Ile Ile Ile Tyr Phe Tyr Leu Glu Val Ser Lys Glu Val Phe
50 55 60

<210> 1843
<211> 73
<212> PRT
<213> Homo sapiens

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<400> 1843
Ser Trp Cys Phe Ser Glu Ile Ile Tyr Ile Phe Xaa Ser Gln Gly Leu
1 5 10 15

Thr Val Ser Pro Arg Leu Glu Ala Glu Val Val Ala Arg Ala Glu Phe
20 25 30

Asp Ile Lys Leu Ile Asp Thr Val Asp Leu Glu Xaa Gly Ala Arg Tyr
35 40 45

Pro Ile Arg Pro Ile Ser Xaa Xaa Val Leu Gln Phe Thr Gly Pro Ser
50 55 60

Phe Leu Lys Arg Gly Xaa Leu Gly Lys
65 70

<210> 1844
<211> 73
<212> PRT
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<400> 1844
Arg Gly Arg Gly Trp Arg Xaa Val Leu Leu Gly Trp Glu Gly Thr Ser
1 5 10 15

Pro Arg Thr Gln Xaa Gly Lys Gly Xaa Arg Pro Xaa Gly Glu Xaa Thr
20 25 30

Asp Met Ser Leu Glu Asp Pro Phe Phe Val Val Arg Gly Glu Val Gln
35 40 45

Lys Ala Val Asn Thr Gly Pro Arg Ala Val Pro Xaa Leu Val Arg Xaa
50 55 60

Pro Ala Arg Xaa Xaa Gly Val Arg Asn
65 70

<210> 1845
<211> 67
<212> PRT
<213> Homo sapiens

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<400> 1845
Ala Glu Gly Gln Ser Asn Leu Xaa Met Ser Gly Trp Phe Trp Thr Ala
1 5 10 15

Thr Pro Ala Gly Xaa Xaa Pro Arg Ser Ser Cys Thr Thr Xaa Lys Val
20 25 30

Ala Ser Ser Pro Lys His Ser Phe Pro Leu Xaa Ser Pro Ser Asn Pro
35 40 45

Glu Ala Leu Trp Cys Ala Leu Cys Pro Met His Ser His Leu Ser Xaa
50 55 60

Pro Pro Gly
65

<210> 1846
<211> 45
<212> PRT

<213> Homo sapiens

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<400> 1846
Xaa Val Gln Thr Pro Ser Leu Leu Gly Thr Gly Val Arg Gly Arg Leu
1 5 10 15

Xaa Phe Val Glu Lys Pro Pro Val Lys Ala Ser Gly Gly Ser Pro Cys
20 25 30

Cys Ile Val Cys Leu Leu Ser Phe Pro Leu Val Arg Arg
35 40 45

<210> 1847
<211> 77
<212> PRT
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<400> 1847

Glu Gln Xaa Lys Glu His Thr Arg Ile Cys Ser Lys Ile Xaa Gly Arg
1 5 10 15

Phe Xaa Gly Arg Gly Xaa Xaa Pro Thr Glu Pro Gly Asp Met Leu Xaa
20 25 30

Val Gln Asp Lys Asn Xaa Arg Leu Thr Phe Lys Phe Gly His Arg Thr
35 40 45

Leu Leu Asn Pro Xaa Gly Asn Leu Thr Gly Lys Pro Lys Glu Glu Gln
50 55 60

Val Phe Trp Thr Leu Gly Lys Lys Pro Xaa Xaa Xaa Glu
65 70 75

<210> 1848
<211> 31
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<220>
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<400> 1848
Ala Arg Ala His Thr His Pro Arg Thr Gly Phe Val Lys Lys Lys Lys
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Xaa Gly Gly Ala Xaa
20 25 30

<210> 1849
<211> 58
<212> PRT
<213> Homo sapiens

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<400> 1849
Trp Pro Ala Val Thr Gly Phe Lys Thr Gly Leu Phe Leu Val Lys Met
1 5 10 15

Gly Glu Leu Leu Ser Cys Gln Lys Cys Xaa Arg Ser Thr Trp Lys Thr
20 25 30

Lys Ser Ser Gln Arg Glu Ser Lys Glu His Leu Ile Ser Leu Ile Ser
35 40 45

Thr Cys Ser Tyr Phe Ser Lys Val Asn Ser
50 55

<210> 1850
<211> 69
<212> PRT
<213> Homo sapiens

<400> 1850
Ala Ile His Leu Pro Thr Pro Leu Phe Phe Lys Thr Ser Phe Asn Ser
1 5 10 15

Leu Asn Lys Ile Gly Phe Val Phe Asn Phe Tyr Ser Leu Phe Ile Glu
20 25 30

Ser Gln Leu Pro Leu Tyr Ile Ile Cys Tyr Trp Lys Arg Phe Leu Ser
35 40 45

Asn Leu Gln Ser Leu Ile Val Pro His Arg Val Gly Gln Trp Leu Leu
50 55 60

Glu Leu Glu Gly Pro
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<210> 1851
<211> 166
<212> PRT
<213> Homo sapiens

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<400> 1851

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1				5				10						15	

Phe	Arg	Glu	Gly	Leu	Gln	Thr	Gln	Asn	Val	Asn	Pro	Ala	Ser	Pro	Leu
			20					25					30		

Ser	Gln	Asn	Cys	Gly	Leu	Val	Pro	Gly	Arg	Gly	Gly	Gly	Trp	Gly	Gly
		35					40					45			

Ala	Gly	Gly	Lys	Phe	Arg	Phe	Trp	Arg	Ala	Pro	Cys	Gly	Asp	Ala	Pro
	50					55					60				

Ser	Cys	Ala	Leu	Leu	Phe	Pro	Arg	Trp	Ser	Pro	Arg	Ser	Pro	Ser	Gly
65					70					75					80

Ser	Ala	Cys	Pro	Ala	Leu	Lys	Arg	His	Pro	Pro	Phe	His	Pro	Val	Ser
				85					90					95	

Gly	Xaa	Gly	Cys	Gly	Ser	Gly	Arg	His	Ala	Xaa	Pro	Xaa	Cys	Xaa	Val
			100					105					110		

Phe Glu Gln Ala Lys Ala Pro Thr Gly Xaa Gly Arg Ala Gly Val Lys
115 120 125

Thr Val Lys Trp Leu Xaa Leu Asn Ile Pro Leu Trp Arg Asn Phe Xaa
130 135 140

Lys Xaa Asn Ser Lys Xaa Ser Phe Trp Xaa Asn Glu Asn Gly Gln Val
145 150 155 160

Arg Leu Val Lys Asn Phe
165

<210> 1852
<211> 74
<212> PRT
<213> Homo sapiens

<400> 1852
Asp Pro Arg Val Arg Gly Ala Arg Ser Val Val Leu Leu Leu Val Ala
1 5 10 15

Val Arg Leu His Thr Leu Leu Ser Cys Pro Leu Glu Gln Pro Ala Gly
20 25 30

Thr Glu Trp Ile Leu Glu Glu Gly Val Thr Thr Gly Pro Pro Arg Lys
35 40 45

Pro Arg Ala Asp Ile Tyr Asn Leu Arg Ser Pro Asp Glu Phe Ile Val
50 55 60

Gly Gln Asn Gln Ala Leu Ile Glu Pro Gly
65 70

<210> 1853
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (82)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1853
His Arg Gly Glu Cys Phe Ser Cys Val Ala Pro Arg Ala Gln Ser Ser
1 5 10 15

Cys His Arg Arg His Pro Gly Phe Gly Gly Ala Gly Leu Gln Ala Pro
20 25 30

Gly Arg Arg Thr Pro Arg Ala Thr Lys Ser Ser Leu Glu Xaa Xaa Ala
35 40 45

Ser Tyr Ala Gly Gly Arg Gly Gly Gly Pro Asp Phe Gly Ser Arg Gly
50 55 60

Leu Thr Gly Leu Val Arg Pro Val Trp Leu Leu Leu Trp Lys Gln Cys
65 70 75 80

Cys Xaa Leu Leu Glu Asp Lys Arg Glu Ser Lys Pro Leu Val Gly Glu
85 90 95

Ile Trp Leu Arg
100

<210> 1854
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (122)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1854

```
Arg Xaa Ala Gly Ala Gly Gly Pro Val Arg Gly Leu Leu Val Gly Leu
 1               5                  10                  15

Val Arg Gln Gln Arg Leu Arg Leu Arg Ser Gly Ala Gln Gln Pro His
            20                  25                  30

His Ala Ala Arg His Pro Asp Pro Gln Leu Cys Arg Arg Gly Arg Arg
        35                  40                  45

Arg Leu Leu Pro Gln Ser Ala Ala Ala Ala Ala Ala Gly Pro Gly Ala
    50                  55                  60

Pro Arg Ala Ala Pro Ala Pro Pro Ser Ala Thr Leu Pro Ala Gly Ala
65                  70                  75                  80

Ala Ala Pro Pro Ser Pro Pro Phe Ser Phe Xaa Leu Pro Arg Arg Pro
                85                  90                  95

Cys Pro Xaa Arg Pro Cys Xaa Xaa Ala Ala Pro Lys Xaa Pro Gly Ile
            100                 105                 110

Arg Cys Ser Glu Arg Glu Ser Asn Leu Xaa Arg Val Pro
        115                 120                 125
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<210> 1855
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1855
Val Gly Ser Ala Cys Leu Leu Asn Trp Tyr Gln Pro Leu Pro Leu Pro
1 5 10 15

Ser Lys Phe Leu Val Pro Pro Leu Arg Asn Ser Arg Ile Val Leu Gln
20 25 30

Ile Asp Asn Ala Arg Xaa Ala Ala Asp Glu Leu Pro Asn Gln Val Ser
35 40 45

Xaa Ser Xaa Leu Gly Ala Ala Glu Ala Arg Thr Gly Val Gly Val Gly
50 55 60

Gly Phe Arg Asn Xaa Pro Ser Pro Ser Leu Asp Gly Leu Lys Leu Asn
65 70 75 80

Pro Pro Met Asp Ser
85

<210> 1856
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1856
Tyr Gln Gln Ile Thr Ser Ser Ser Arg Leu Ser Ile Gln Leu Ile Leu
1 5 10 15

Ile Ser Xaa Asp Xaa Asn Val Thr Gln Xaa Leu Leu Ile Ala Pro Asn
20 25 30

Lys Xaa Val Ser Val Xaa Pro Leu Pro Ser Glu Leu
35 40

<210> 1857
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1857

```
Ser Thr His Ala Ser Gly Phe Ser Ala Pro Ser Arg Ile Ser Ala Trp
  1               5                  10                  15

Phe Gly Pro Pro Ala Ser Xaa Pro Ala Ser Xaa Met Ser Ile Xaa Xaa
             20                  25                  30

Thr Gln Lys Ser Tyr Lys Xaa Ser Xaa Ser Gly Pro Arg Gly Phe Ser
         35                  40                  45

Ser Arg Ser Tyr Thr Ser Gly Xaa Gly Ser Arg Ile Ser Ser Ser Xaa
     50                  55                  60

Phe Ser Arg Val Gly Ser Ser Asn Phe Arg Gly Gly
 65                  70                  75
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<210> 1858
<211> 83
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1858
Arg Leu Arg Thr Lys Thr Cys Thr Trp Ser Phe Pro Gly Ala Leu Cys
1 5 10 15

Val Val Glu Leu Arg Trp Asn Phe Gly Ala Leu Gly Cys Gln Arg Ala
20 25 30

Cys Leu Val Ala Thr Glu Thr Ser Pro Ala Arg Leu Arg Gly His Phe
35 40 45

Ile Thr Ile Gln Lys Cys Leu Pro Leu Lys Ala Ser Val Val Val Phe
50 55 60

Lys Pro Gln Lys Ser His Xaa Gln Asp His Xaa Thr Thr Thr Leu Thr
65 70 75 80

Ser Val Pro

<210> 1859
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1859
Lys Ser Ser Pro Gly Lys Met Gly Leu Xaa Glu Xaa Ala Thr Gly Thr
1 5 10 15

Ala Ser Cys Arg Trp Ser Trp Pro Xaa Ser His Arg Pro Val Tyr Lys
20 25 30

Xaa Cys Ala Ser Trp Thr Leu Xaa Ser Gly Thr Gly Ser Trp Thr Leu
35 40 45

Lys Ser Leu Val Pro Pro Ala Arg Xaa Trp
50 55

<210> 1860
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1860
Gln Asp Gln Ser Cys Arg Lys Met Asp Ser Glu Val Gln Arg Asp Gly

1 5 10 15

Arg Ile Leu Asp Leu Ile Asp Asp Ala Trp Arg Glu Asp Lys Leu Pro
20 25 30

Tyr Glu Asp Val Ala Ile Pro Leu Asn Glu Leu Pro Xaa Pro Xaa Gln
35 40 45

Asp Asn Gly Gly Thr Thr Asp Leu Ser Lys Xaa Lys Lys
50 55 60

<210> 1861
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1861
Ser Arg Gly Ala Pro Phe Phe Lys Pro Val Arg Lys Ala Gln Tyr Ser
1 5 10 15

Gly Gly Ser Asp Pro Ile Phe Gln Val Arg Pro Ser Pro Leu Ser Leu
20 25 30

Thr Arg Lys Gly Asn Ser Leu Thr Pro Cys Ala Ser Gln Val Arg Gln
35 40 45

Cys Ser Pro Cys Phe Gly Ser His Thr Val Arg Ala Xaa Thr Asp Leu
50 55 60

Cys Pro Leu Ser Gly Thr Pro
65 70

<210> 1862
<211> 59
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1862
Thr Pro Thr Pro Phe Gly Ser Ala Arg Ala Pro Gln Ala Arg Pro Gly
1 5 10 15

Arg Arg Asp Gly Arg Met Ser Gly Gly Arg Arg Lys Glu Glu Pro Pro
20 25 30

Gln Pro Gln Leu Ala Asn Gly Ala Leu Lys Val Ser Val Trp Ser Lys
35 40 45

Val Leu Arg Thr Thr Arg Pro Gly Xaa Ile Arg
50 55

<210> 1863
<211> 83
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1863
Gln Leu Ser Thr Leu Ile Asn Trp Leu Gln Ser Thr Ser Pro Ala Ala
1 5 10 15

Gly Lys Lys Gly Gly Arg Ser Pro Gly Arg Phe Glu Ala Ala Ser Ser
20 25 30

Asn Leu Gln Phe Asn Met Lys Ile Thr Ser Glu Leu Val Lys Arg Gly
35 40 45

Leu Thr Pro Val Phe Arg Phe Thr Val Gln Cys Phe Thr Gln Pro Phe
50 55 60

Tyr Leu Thr Pro Lys Lys Lys Lys Lys Lys Lys Asn Xaa Gly Gly Gly
65 70 75 80

Pro Gly Xaa

<210> 1864
<211> 37
<212> PRT
<213> Homo sapiens

<400> 1864
Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu
20 25 30

Ser Lys Ile Glu Ser
35

<210> 1865
<211> 41
<212> PRT
<213> Homo sapiens

<400> 1865
Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu
20 25 30

Ser Lys Ile Glu Ser Leu Val Gln Leu
35 40

<210> 1866
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1866
Asn Thr Glu Leu Thr Ile Asn Ser Pro Ile Ser Thr Ile Asn Gln Gln
1 5 10 15

Val Ile Ile Thr Leu Thr Val Asn Pro Thr Lys Lys Lys Lys Lys Xaa
20 25 30

Lys

<210> 1867
<211> 143
<212> PRT
<213> Homo sapiens

<400> 1867
Gly Ser Gly Gly Lys Met Glu Asp His Gln His Val Pro Ile Asp Ile
1 5 10 15

Gln Thr Ser Lys Leu Leu Asp Trp Leu Val Asp Arg Arg His Cys Ser
20 25 30

Leu Lys Trp Gln Ser Leu Val Leu Thr Ile Arg Glu Lys Ile Asn Ala
35 40 45

Ala Ile Gln Asp Met Pro Glu Ser Glu Glu Ile Ala Gln Leu Leu Ser
50 55 60

Gly Ser Tyr Ile His Tyr Phe His Cys Leu Arg Ile Leu Asp Leu Leu
65 70 75 80

Lys Gly Thr Glu Ala Ser Thr Lys Asn Ile Phe Gly Arg Tyr Ser Ser
85 90 95

Gln Arg Met Lys Asp Trp Gln Glu Ile Ile Ala Leu Tyr Glu Lys Asp
100 105 110

Asn Thr Tyr Leu Val Glu Leu Ser Ser Leu Leu Val Arg Asn Val Asn
115 120 125

Tyr Glu Ile Pro Ser Leu Lys Lys Gln Ile Ala Lys Cys Gln Gln
130 135 140

<210> 1868
<211> 37
<212> PRT
<213> Homo sapiens

<400> 1868
Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu
20 25 30

Ser Lys Ile Val Ser
35

<210> 1869
<211> 57
<212> PRT
<213> Homo sapiens

<400> 1869
Ile Leu Gln Ala Val Arg Thr Glu Trp Tyr Ile Val Val Phe Leu Asn
1 5 10 15

Ile Ser Glu Pro Arg Lys Gly Thr Val Glu Ile Arg Tyr Tyr Asn Leu
20 25 30

Met Gly Pro Leu Ser Val Cys Gly Leu Leu Leu Thr Glu Met Leu Cys
35 40 45

Ser Thr Trp Ala Ala Met Arg Leu Pro
50 55

<210> 1870
<211> 63
<212> PRT
<213> Homo sapiens

<400> 1870
Val Pro His Ser Glu Leu Leu Gln Pro Ala Ser Arg Ile Cys Ser Met
1 5 10 15

Ser Arg Arg Ser Gln Ser Leu Ala Ala Ser Ser Val Pro Gly Glu Arg
20 25 30

Cys Leu Glu Leu Ser Ser Gln Gly Val Met Ser Ala Ser Arg Val Cys
35 40 45

Met Gly Ala Glu Gly Thr Leu Leu Leu Pro Pro Trp Ser Gly Asn
50 55 60

<210> 1871
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1871
Thr Trp Cys His Glu Val Gly Glu Leu Gly Glu Leu Ser His Ser Ser
1 5 10 15

Tyr Arg Xaa Ala Phe Leu Lys Cys Pro Leu Thr Ser Arg Phe Cys Ser
20 25 30

Arg Ser Ser Phe Ser Glu Leu Lys Val Ile Phe Ile Tyr Val Trp Gly
35 40 45

Lys Ile Asn Ser Ser Ser Lys Arg Ile Leu Ile Arg Leu Xaa Xaa Leu
50 55 60

Leu Lys Thr Xaa Pro Asn
65 70

<210> 1872
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1872
Glu Thr Trp His Leu Asn His Ile Leu Ser Leu Gly Lys Ser Phe Gly
1 5 10 15

Leu Cys Ser Cys Phe Val Cys Phe Thr Cys Phe Pro Pro Ser Pro Lys
20 25 30

Pro Phe Val Leu Ser Val Lys Leu Thr Phe Pro Phe Xaa Phe Leu
35 40 45

<210> 1873
<211> 75
<212> PRT
<213> Homo sapiens

<400> 1873
Lys Thr Leu Leu Leu Trp Asn Met Lys Leu Cys Val Arg Trp Arg Asp
1 5 10 15

Pro Leu Asn Leu Arg Ala Leu Asn Ser Pro Glu Ser Thr Leu Gly Arg
20 25 30

Phe Ala Met Glu Leu Lys Leu Glu Val Ile Phe Leu Gly Ala Leu Glu
35 40 45

Ser Phe Leu Gly Thr Gln Asn Tyr Gln Lys Ser Gly Thr Val Arg Arg
50 55 60

Lys Ser Val Cys Lys Thr Gly Phe Leu Glu Val
65 70 75

<210> 1874
<211> 107
<212> PRT
<213> Homo sapiens

<400> 1874
Ile Asn Asn Ile Ser Arg Gln Ile Tyr Leu Thr Asp Asn Pro Glu Ala
1 5 10 15

Val Ala Ile Lys Leu Asn Gln Thr Ala Leu Gln Ala Val Thr Pro Ile
20 25 30

Thr Ser Phe Gly Lys Lys Gln Glu Ser Ser Cys Pro Ser Gln Asn Leu
35 40 45

Lys Asn Ser Glu Met Glu Asn Glu Asn Asp Lys Ile Val Pro Lys Ala
50 55 60

Thr Ala Ser Leu Pro Glu Ala Glu Glu Leu Ile Ala Pro Gly Thr Pro

65 70 75 80

Ile Gln Phe Asp Ile Val Leu Pro Ala Thr Glu Phe Leu Asp Gln Asn
85 90 95

Arg Gly Ser Arg Arg Thr Asn Pro Phe Gly Glu
100 105

<210> 1875
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1875
Gly Glu Glu Ala Cys Phe Ala Val Gly Ser Leu Val Leu Ala Arg Ser
1 5 10 15

Leu Arg Val Cys Thr Gly Gly Thr Leu Pro Leu Pro Ala Pro Phe Leu
20 25 30

Xaa Xaa Pro Val Gly Asn Ile His Leu Phe Met Pro Val Cys Cys Met
35 40 45

Gln Ala Phe Trp Leu Pro Thr Leu Gln Gln Asn Glu Leu His Gln Leu
50 55 60

Leu Ser Ala Asp Ser Ala His Arg Glu Ser Trp Ser His Ser Leu Phe
65 70 75 80

Cys Phe Ala Leu

<210> 1876
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1876
Gln Trp Gly Phe Val Xaa Asp Lys Met Ala Met Ala Gly Arg Val Xaa
1 5 10 15

Pro Pro Ser Tyr Asp Glu Arg Pro Phe His Arg Pro Val Thr Glu Leu
20 25 30

Arg Glu Asp Lys Xaa Ser Glu Xaa Xaa Gly Pro Ala Ser Leu Leu Leu
35 40 45

Thr Arg Pro Val Pro Lys Lys Tyr Val Phe Gln Asn Ala Leu Asn Leu
50 55 60

Asn
65

<210> 1877
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1877
Arg Ala Pro Pro Gly Gln Xaa Gly Gly Asp His Gln Asp Phe Ile Gln
1 5 10 15

Gly Gly Arg Asp Gln Glu Ile Lys Pro Pro Thr Leu Ser Val His Thr
20 25 30

Gly Leu Cys Asp Tyr Ile Asp Gln Pro Leu Lys Ile Lys Gln Xaa Leu
35 40 45

Ile Cys Xaa Xaa Asp Lys Xaa Lys Ile Ser
50 55

<210> 1878
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1878
Ala Leu Asp Trp Leu Pro Glu Gly Leu Val Lys Ile His Ser His Pro
1 5 10 15

Ala Gly Ser Gly Ser Asn Arg Gly Phe His Ser Phe Ile Ser Xaa Leu
20 25 30

Ala Asp Lys Asp Pro Gly Xaa His Val Leu Leu Ile Xaa
35 40 45

<210> 1879
<211> 54
<212> PRT
<213> Homo sapiens

<400> 1879
Val Lys Met Ile Ile Gly Pro Lys Leu Thr Ala Leu Pro Lys Arg Gln
1 5 10 15

Arg Ser Gln Asp Ile Gly Arg Ser Gly Ala Ala Leu Glu Thr Leu Lys
20 25 30

Phe Thr Ser Met Arg Gly Leu Glu Cys Ser Leu Gly Arg Arg Ala Ser
35 40 45

Thr Cys Ser Pro Gly Pro
50

<210> 1880
<211> 77
<212> PRT
<213> Homo sapiens

<400> 1880
Ser Ala Cys Gly Ser Pro Gly Gly Asn Phe Pro Ser Pro Arg Gly Gly
1 5 10 15

Ser Gly Val Ala Ser Met Glu Arg Ala Glu Ser Ser Ser Thr Glu Pro
20 25 30

Ala Lys Ala Ile Lys Pro Ile Asp Gln Lys Ser Val His Gln Ile Cys

35 40 45

Ser Gly Gln Val Val Leu Ser Leu Ser Thr Ala Val Lys Glu Leu Val
50 55 60

Glu Asn Ser Leu Asp Ala Gly Ala Thr Asn Ile Asp Leu
65 70 75

<210> 1881
<211> 733
<212> DNA
<213> Homo sapiens

<400> 1881
gggatccgga gcccaaatct tctgacaaaa ctcacacatg cccaccgtgc ccagcacctg 60
aattcgaggg tgcaccgtca gtcttcctct tccccccaaa acccaaggac accctcatga 120
tctcccggac tcctgaggtc acatgcgtgg tggtggacgt aagccacgaa gaccctgagg 180
tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg 360
agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480
atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540
ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg 600
acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660
acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720
gactctagag gat 733

<210> 1882
<211> 5
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1882
Trp Ser Xaa Trp Ser
1 5

<210> 1883
<211> 86
<212> DNA
<213> Homo sapiens

<400> 1883
gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
cccgaaatat ctgccatctc aattag 86

<210> 1884
<211> 27
<212> DNA
<213> Homo sapiens

<400> 1884
gcggcaagct ttttgcaaag cctaggc 27

<210> 1885
<211> 271
<212> DNA
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cttttgcaaa aagctt 256

INTERNATIONAL SEARCH REPORT

International application No
PCT/US00/05988

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : Please See Extra Sheet.
US CL : 536/23.1; 435/320.1, 325, 455, 68.1; 530/300, 350

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. 536/23.1; 435/320.1, 325, 455, 68.1; 530/300, 350

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

BIOSIS, MEDLINE, CAPLUS, BIOTECHDS, EMBASE, SEQ Search
prostate, cancer, carcinoma, protein, peptide, gene, dna, transfect

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SCHAAPVELD et al. The Mouse Gene Ptprf Encoding the Leukocyte Common Antigen-Related Molecule LAR: Cloning, Characterization, and Chromosomal Localization. Genomics. 01 May 1995, Vol. 27, No. 1, pages 124-130, see entire document.	1-4, 21
X	DE PLAEN et al. Structure, chromosomal localization, and expression of 12 genes of the MAGE family. Immunogenetics. September 1994, Vol. 40, pages 360-369, especially page 363 and entire document.	1-4 and 21

[X] Further documents are listed in the continuation of Box C. [ ] See patent family annex.

*	Special categories of cited documents	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E"	earlier document published on or after the international filing date	"Y"	document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search	Date of mailing of the international search report
15 MAY 2000	05 JUL 2000

Name and mailing address of the ISA/US	Authorized officer
Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	JOHN BRUSCA JOYCE BRIDGERS PARALEGAL SPECIALIST CHEMICAL MATRIX
Facsimile No (703) 305-3230	Telephone No (703) 308-0196

Form PCT/ISA/210 (second sheet) (July 1998)*

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/05988

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ADAMS et al. Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence. Nature. 28 September 1995, Vol. 377, Supp, pages 3-17, see entire document.	1-4 and 21
X	HILLIER et al. Generation and analysis of 280,000 human expressed sequence tags. Genome Research. 1996, Vol. 6, No. 9, pages 807-828, see entire document.	1-4 and 21
X	KOHFELDT et al. Nidogen-2: A new basement membrane protein with diverse binding properties. J. Mol. Biol. 1998, Vol. 282, No. 1, pages 99-109, see entire document.	1-4 and 21

INTERNATIONAL SEARCH REPORT

International application No
PCT/US00/05988

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1 ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2 ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Please See Extra Sheet.

1 ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-12, 14-16, 21 and SEQ ID NOS: 1-10

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest

☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/05988

A. CLASSIFICATION OF SUBJECT MATTER:
IPC (7):

C07H 21/04, C12N 15/63, 15/85, 15/09; C07K 5/00, 14/00; C12P 21/00

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING
This ISA found multiple inventions as follows:

This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid.

Group I, claim(s)1-12, 14, 15, 16 and 21, drawn to cDNA, polypeptides, genes, a method of using the cDNA to make host cells comprising the cDNA, and a method of making the polypeptide.
Group II, claim(s) 13, drawn to an antibody specific for the polypeptides of Group I.
Group III, claim(s) 17, drawn to a therapeutic method of using the cDNA or the polypeptide of Group I.
Group IV, claim(s)18 and 19, drawn to a diagnostic method of using the cDNA or polypeptide of Group I.
Group V, claim(s) 20, drawn to a method of using the polypeptide of Group I to isolate a binding partner.
Group VI, claim(s) 22, drawn to a method of using the cDNA of Group I to identify the activity of the polypeptide encoded by the cDNA.
Group VII, claim 23, drawn to the binding partner made by the method of Group V.

The inventions listed as Groups I-VII do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: PCT Rule 13.1 and Annex B do not provide for unity of invention between two or more different products or methods of use that share a special technical feature.

In addition, each Group detailed above reads on distinct Groups drawn to multiple SEQ ID Numbers. The sequences are distinct because they are unrelated sequences, and a further lack of unity is applied to each Group. The lack of unity is partially waived and the Applicant(s) must further elect up to 10 SEQ ID Numbers for examination in the elected Group detailed above.